



Serving the People of California

# PROJECTIONS AND PLANNING INFORMATION



**San Bernardino  
County**

DEPARTMENT OF GOVERNMENTAL  
STUDIES & RESEARCH

MAR 16 1998

UNIVERSITY OF CALIFORNIA



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Serving the People of California



## **LABOR MARKET INFORMATION DIVISION**

### **MISSION**

WE PROMOTE CALIFORNIA'S ECONOMIC HEALTH BY PROVIDING INFORMATION TO HELP PEOPLE UNDERSTAND CALIFORNIA'S ECONOMY AND MAKE INFORMED LABOR MARKET CHOICES.

### **VISION**

WE ARE THE LABOR MARKET INFORMATION SOURCE FOR CALIFORNIA AND A NATIONAL LEADER IN LABOR MARKET INFORMATION. WE ARE AN INNOVATIVE, CREATIVE AND EXPERT CONSULTING ORGANIZATION; AN ECONOMIC DEVELOPMENT AND RESEARCH PARTNER; AND A PRESTIGIOUS AND HIGHLY CREDIBLE ORGANIZATION.



*Projections  
& Planning  
Information*

## **Module A:**

# **Introduction**



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# Note to Readers

The Employment Development Department's Labor Market Information Division (LMID) regularly collects, analyzes, and publishes information about California's labor market, which consists of approximately 15 million workers and 1 million employers. In addition to employment and unemployment data, LMID provides economic planning information, industry and occupational information, social and demographic information, and a variety of other statistics.

LMID produces the Projection and Planning Information publication (PPI) for 57 counties and the State. Each module within the PPI is designed to present data in a clear and usable form. The variety and number of reports within each module are intended to answer the most frequently asked questions. These modules are updated as new information becomes available and are delivered to customers for inclusion in a three-ring binder.

**Customers may choose some or all of the following modules:**

**Module A: Introduction** *Information about the featured county and population tables providing data for the past and present. Additional resources for exploring various occupations.*

- Annual Average Unemployment Rates
- Area Map
- County/City Population
- Population Estimates for California and Counties
- O\*NET The Occupational Network
- Standard Occupational Classification (SOC)
- EDD and Related Websites

**Module B: Labor Force** *Current and historical labor force, employment, unemployment and unemployment rates.*

- State Map of Current Annual Average Rates by County
- Annual Average Unemployment Rates
- Monthly and Annual Average Data

**Module C: Wage and Salary Employment** *Current and historical wage and salary employment data.*

- Annual Average Data
- Monthly Data

**Module D: Projections** *Information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends.*

- Description of Industry and Occupational Tables
- Training Level Definitions
- Industry Trends and Outlook
- Employment by Major Industry
- Industry Employment Projections
- Employment by Major Occupational Group
- Occupations with the Greatest Absolute Job Growth (Growth plus Separations)
- Occupations with the Fastest Job Growth
- Occupational Employment Projections
- Occupations with Most Openings
- Occupations with Projected Declines
- Alphabetical Index of Occupations
- Description of Standard Industrial Classification (SIC) and North American Industry Classification (NAICS)
- Methods and Economic Assumptions

**Module E: Occupational Wages** *Occupational Employment Statistics (OES) Wage Survey results and explanation of methodology.*

- Occupational Wages for Selected Counties

**Module F: Social and Economic Data** *Tables from the U.S. Department of Commerce, the Census Bureau, and various State agencies.*

- Public Assistance Recipients by Program
- Public Assistance Recipients by Program (CalWORKs), Characteristics of Recipients
- Occupations with the Greatest Absolute Job Growth
- Lower Living Standard Income Levels and Poverty Guidelines
- Planning Information for Local Workforce Investment Areas
- Profile of General Demographic Characteristics
- Explanation of Terms and Concepts
- Nondiscrimination Information

# San Bernardino County

San Bernardino and Riverside counties comprise what is commonly known as the Inland Empire, one of the fastest growing metropolitan regions in the nation. San Bernardino is the largest county in the United States, encompassing over 20,000 square miles. Surrounding counties include Inyo County to the north, Kern and Los Angeles to the west, and Orange and Riverside counties to the south. The states of Nevada and Arizona border to the east.

The Inland Empire's combined population is larger than that of 20 individual states, and is increasing by close to 100,000 residents each year. In San Bernardino County, 2000 Census data records the population at more than 1.7 million, an increase of 20.5 percent or 291,000 persons over 1990 Census data. The cities of Adelanto, Fontana, Highland, Rialto, Rancho Cucamonga, Yucaipa, and Victorville

recorded the highest percent growth; all seven increased their population by more than 25 percent during the ten-year period. Overall, San Bernardino ranks as the fourth-highest populated county in the state. Population projections estimate that by the year 2020, San Bernardino County will be home to more than 2.8 million residents, an increase of 65 percent over current figures.

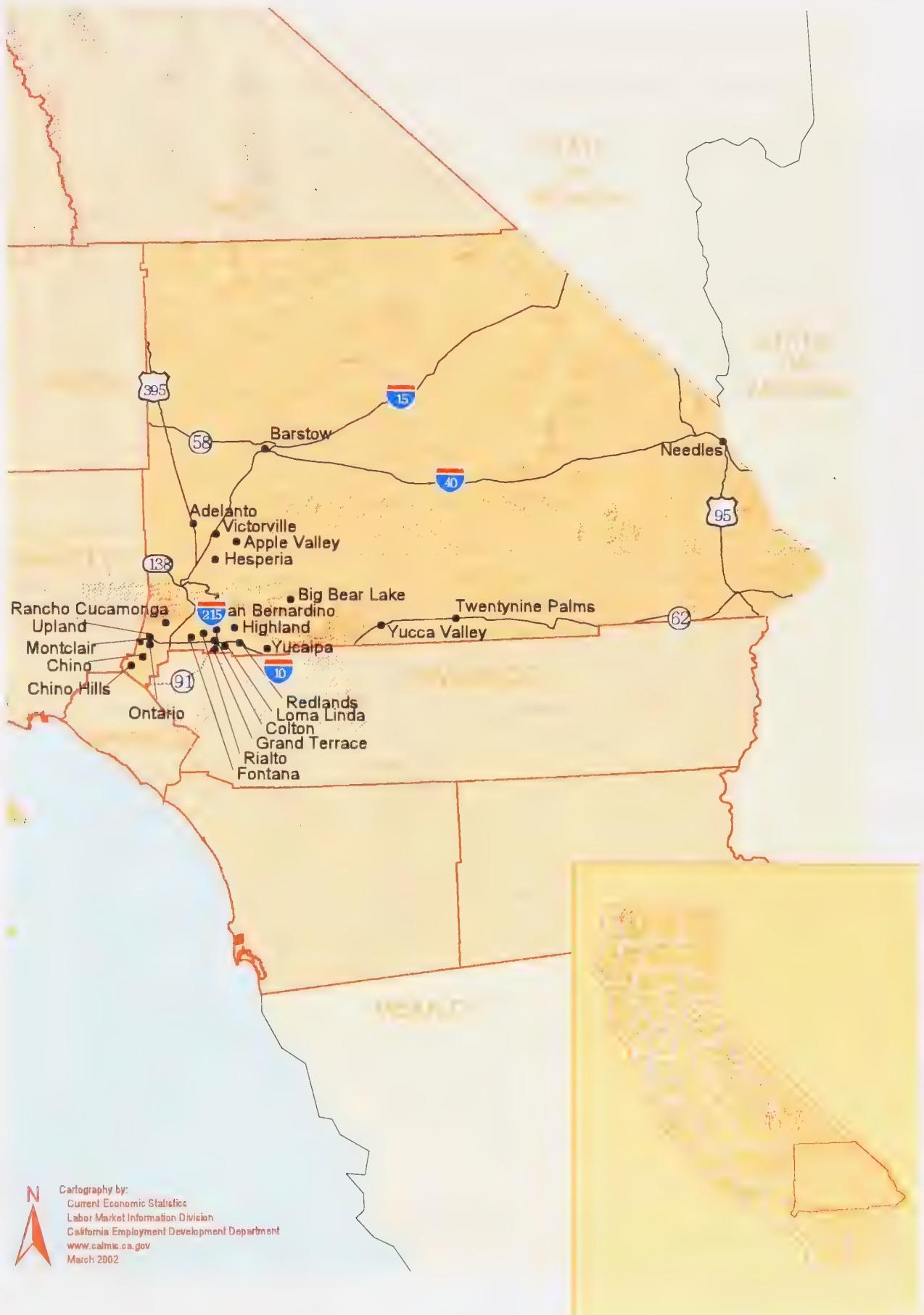
While much of the topography is desert, the county is rich in opportunities for tourism and winter-season activities. Retirees and others interested in quality of life find affordable housing and an active lifestyle in San Bernardino County's high-desert communities. The county is experiencing dynamic commercial-industrial growth particularly in the west end due to availability of land, transportation corridors, including Ontario International Airport.

**San Bernardino County**  
**Population of the County and Selected Cities**  
**1980, 1990, 2000, and 2001**

Political Subdivisions	1980 (a)	1990 (b)	2000 (c)	2001 (d)	Percent Change	
					1990 to 2000	2000 to 2001
<b>Total</b>	<b>895,016</b>	<b>1,418,380</b>	<b>1,709,434</b>	<b>1,764,300</b>	<b>20.5%</b>	<b>3.2%</b>
Adelanto	2,164	8,517	18,130	18,600	112.9%	2.6%
Apple Valley (e)	16,748	46,079	54,239	56,000	17.7%	3.2%
Barstow	17,690	21,472	21,119	21,550	-1.6%	2.0%
Big Bear Lake (e)	4,896	5,351	5,438	5,625	1.6%	3.4%
Chino	40,165	59,682	67,168	68,800	12.5%	2.4%
Chino Hills (f)	NA	NA	66,787	69,200	NA	3.6%
Colton	21,310	40,213	47,662	49,050	18.5%	2.9%
Fontana	37,105	87,535	128,929	135,100	47.3%	4.8%
Grand Terrace	8,498	10,946	11,626	11,850	6.2%	1.9%
Hesperia (e)	20,612	50,418	62,582	64,200	24.1%	2.6%
Highlands (e)	21,720	34,439	44,605	45,600	29.5%	2.2%
Loma Linda	10,694	17,400	18,681	19,400	7.4%	3.8%
Montclair	22,628	28,434	33,049	34,050	16.2%	3.0%
Needles	4,120	5,191	4,830	4,960	-7.0%	2.7%
Ontario	88,820	133,179	158,007	162,300	18.6%	2.7%
Rancho Cucamonga	55,250	101,409	127,743	132,700	26.0%	3.9%
Redlands	43,619	60,394	63,591	65,300	5.3%	2.7%
Rialto	37,862	72,388	91,873	94,700	26.9%	3.1%
San Bernardino	118,794	164,164	185,401	190,200	12.9%	2.6%
Twentynine Palms (e)	8,802	11,821	14,764	25,850	24.9%	75.1%
Upland	47,647	63,374	68,393	70,100	7.9%	2.5%
Victorville	14,220	40,674	64,029	67,600	57.4%	5.6%
Yucaipa (e)	27,654	32,824	41,207	42,250	25.5%	2.5%
Yucca Valley (f)	NA	NA	16,865	17,200	NA	2.0%
Balance of County	223,998	322,476	292,716	292,200	-9.2%	-0.2%

- (a) Census of Population, April 1, 1980.
  - (b) Census of Population, April 1, 1990.
  - (c) Census of Population, April 1, 2000.
  - (d) California Department of Finance revised estimates for January 1, 2001.  
Parts may not add to total due to independent rounding.
  - (e) Incorporated after the 1980 Census.
  - (f) Incorporated after the 1990 Census.
- NA - Not applicable

# San Bernardino County





## Population Estimates for California and Counties

	January		Percent Change		January		Percent Change
	2000	2001			2000	2001	
California	34,207,000	34,818,000	1.8%	Orange	2,867,700	2,925,700	2.0%
Alameda	1,455,300	1,479,100	1.6%	Placer	248,700	257,500	3.5%
Alpine	1,200	1,220	1.7%	Plumas	21,000	21,100	0.5%
Amador	35,250	35,400	0.4%	Riverside	1,557,800	1,609,400	3.3%
Butte	204,600	205,800	0.6%	Sacramento	1,230,700	1,258,600	2.3%
Calaveras	40,950	41,100	0.4%	San Benito	53,800	55,200	2.6%
Colusa	19,050	19,200	0.8%	San Bernardino	1,726,800	1,764,300	2.2%
Contra Costa	955,900	972,100	1.7%	San Diego	2,835,400	2,883,600	1.7%
Del Norte	28,050	28,100	0.2%	San Francisco	781,900	793,700	1.5%
El Dorado	157,200	159,700	1.6%	San Joaquin	568,300	583,700	2.7%
Fresno	810,300	823,900	1.7%	San Luis Obispo	248,200	252,100	1.6%
Glenn	26,800	26,800	0.0%	San Mateo	713,900	720,100	0.9%
Humboldt	127,400	127,800	0.3%	Santa Barbara	403,500	408,900	1.3%
Imperial	146,600	150,900	2.9%	Santa Clara	1,698,800	1,723,700	1.5%
Inyo	18,250	18,150	-0.5%	Santa Cruz	258,000	259,800	0.7%
Kern	671,300	685,800	2.2%	Shasta	164,300	165,700	0.9%
Kings	132,100	136,100	3.0%	Sierra	3,580	3,560	-0.6%
Lake	58,700	59,300	1.0%	Siskiyou	44,750	44,300	-1.0%
Lassen	34,850	35,900	3.0%	Solano	396,900	403,400	1.6%
Los Angeles	9,643,100	9,802,800	1.7%	Sonoma	461,700	468,800	1.5%
Madera	125,800	129,400	2.9%	Stanislaus	451,000	459,900	2.0%
Marin	248,700	250,400	0.7%	Sutter	79,700	80,900	1.5%
Mariposa	17,200	17,200	0.0%	Tehama	56,400	56,800	0.7%
Mendocino	87,100	87,300	0.2%	Trinity	13,150	13,050	-0.8%
Merced	212,800	216,700	1.8%	Tulare	373,100	377,500	1.2%
Modoc	9,550	9,600	0.5%	Tuolumne	54,800	55,200	0.7%
Mono	12,950	13,350	3.1%	Ventura	759,400	773,500	1.9%
Monterey	405,200	410,800	1.4%	Yolo	169,300	173,500	2.5%
Napa	125,100	126,200	0.9%	Yuba	60,900	60,800	-0.2%
Nevada	92,300	94,000	1.8%				

SOURCE: State of California, Department of Finance, Population Estimates for California Cities and Counties.

Report E-1. Sacramento, California, May 2001.

# O\*NET

## The Occupational Information Network

The *Occupational Information Network* (O\*NET) is the U.S. Department of Labor's recent replacement to the long-standing Dictionary of Occupational Titles (DOT). First released in 1998 and made available as an Internet application in 2001, O\*NET was created for the general public to provide broad access to occupational information.

The O\*NET system includes information on skills, abilities, knowledge, work activities, and interests associated with occupations. This information can be used to facilitate career exploration, vocational counseling, and a variety of human resources functions, such as developing job orders and position descriptions and aligning training with current workplace needs.

The gathering and classification of information was done with many different users in mind, including human resource personnel, industry analysts, students, rehabilitation counselors, workforce researchers, managers, displaced workers and more. Information in O\*NET is available for over 950 occupations. Each occupational title and code is based on the most current version of the Standard Occupational Classification system.

O\*NET OnLine offers users the chance to:

- Find occupations to explore, either by skill requirements or using key words
- Search for occupations that use their skills
- Look at related occupations with similar skills requirements
- View and print snapshot reports listing top tasks and skills requirements for an occupation
- View occupation details

- Use crosswalks to find occupations using titles from other classification systems
- Connect to other on-line career information resources to see current wage and outlook information
- Access comprehensive information on-line

The information currently available through O\*NET was developed by job analysts; however, workers and employers themselves, describing what they do and the necessary skills, will contribute to data and ratings beginning in the year 2003.

The U.S. Department of Labor's Employment and Training Administration looked to both public and private entities in the development of O\*NET. State-based Occupational Analysis Field Centers and Assessment Research and Development Program Centers provided regional support. Private sector firms are also assisting with the implementation of the project.

If it is to be current, comprehensive and inclusive, the O\*NET System will require a continuous process of database building. DOL welcomes the participation of employers or representatives of organizations that can contribute occupational information. The massive and growing O\*NET data collection and database will be maintained by the newly established National O\*NET Consortium.

For further information contact O\*NET:

O\*NET Project  
DOL Office of Policy and Research  
200 Constitution Ave., NW, MS N5637  
Washington, DC 20210  
(202) 693-3660

<http://www.doleta.gov/programs/onet/>

# Standard Occupational Classification (SOC)

The Standard Occupational Classification (SOC) 1998 System was developed in response to a growing need for a universal occupational classification system—a system which would allow government agencies and private industry to produce comparable data. The SOC system was designed to cover all occupations in which work is performed for pay or profit and will be used by all federal agencies to classify workers into occupational categories for the purpose of collecting, calculating, or disseminating data.

## *General Characteristics of the Revised SOC*

This system classifies workers at four levels of aggregation:

- major group
- minor group
- broad occupation
- detailed occupation

All workers are classified into one of over 820 occupations, according to their occupational definition. To facilitate classification, all occupations are clustered into one of 23 major groups. Within these major groups, there are 96 minor groups, and 449 broad occupations. Each broad occupation includes detailed occupation(s) requiring similar job duties, skills, education, or experience.

The following example shows the hierarchical structure of the 1998 SOC:

- 19-0000 Life, physical, and social science occupations (*major group*)
  - 19-0000 Life scientists (*minor group*)
    - 19-1020 Biological scientists (*broad occupation*)
      - 19-1021 Biochemists and biophysicists (*detailed occupation*)
      - 19-1022 Microbiologists (*detailed occupation*)
      - 19-1023 Zoologists and wildlife biologists (*detailed occupation*)
      - 19-1029 Biological scientists, all other (*detailed occupation*)

Data collected by the 2000 Census of Population will be coded to the 1998 SOC; the Department of Labor's Occupational Information Network (O\*NET), adheres to the 1998 SOC. In fact, all federal government agencies that collect occupational data are expected to adopt the 1998 SOC over the next few years.

Additional information, updated revision plans, and information on the implementation of the 1998 SOC are available at the Bureau of Labor Statistics (BLS) Internet site:

<http://stats.bls.gov/soc>

# Job Services for Employers and Job Seekers

The Employment Development Department (EDD) is the largest source of personnel recruitment in California. There is no fee to employers or job seekers. Employers may wish to place a job order with EDD or ask about other available services. Job seekers may wish to complete an application to be matched against employer job orders or to request other assistance in finding a job or training.

The **EDD Job Service** is the public employment service for the State of California. From locations in over 200 communities, the EDD Job Service program serves the State's 900,000 employers and the one million or more job seekers who use the services each year.

The EDD Job Service is authorized by the federal Wagner-Peyser Act, as amended by the Workforce Investment Act of 1998. The EDD plans and delivers the services in California in partnership with other employment and training organizations in the One-Stop Career Centers created by the Workforce Investment Act of 1998. The EDD's Job Service offers a variety of services that bring employers with job openings and qualified job seekers together.

**CalJOBS** – California's Internet system for linking employer job listings and job seeker resumes. CalJOBS is available at EDD Job Service locations, One-Stop Career Centers, and anywhere there is Internet access.

Special features of CalJOBS include:

- No fees
- Wide variety of job listings and job seekers
- Easy access:

<http://www.caljobs.ca.gov>

**Employer Advisory Councils** work closely with Job Service to sponsor employer seminars, job fairs and other events which provide information and guidance for job seekers and local business.

## Additional Services to Job Seekers

- Job search workshops
- Referral to partner agencies that provide other employment related services, including training.

## Additional Services to Employers

- Reemployment services for dislocated workers.
- Current labor market information.
- Focused recruitment campaigns.
- Locally coordinated workforce preparation services.

If you are interested in any of the above services, or would like information about the location of the Job Service office nearest you, contact the call center listed below.

Bay Area	415-749-7503
Los Angeles	213-833-7900
Orange	714-518-2315
Riverside	909-955-2200
Sacramento	916-227-0301
San Diego	619-266-4200

# **California's Labor Market and Occupational Information is only a click away ...**

Use your computer to view and/or download important economic data directly from us —  
**24 hours a day, seven days a week!**

**<http://www.calmis.ca.gov>**

## **Data available on-line:**

*Agriculture* Statewide and county employment and earnings data for selected crops and industries.

*Demographics* Statewide and county census data, population tables, income statistics, and data for nondiscrimination programs.

*Industry* Current and historical employment data, projections of employment, hours and earnings, and size of firm data.

*Labor Force* Monthly, historical, and annual average labor force data by county, MSA, and statewide; labor market conditions in California, and employment characteristics.

*Resources* Contact lists for area consultants, local partners for the California Cooperative Occupational Information System (CCOIS), publications available, and resources for additional data.

*Occupations* Projections of employment by occupation, the California License Handbook, the California Occupational Guides, the Occupational Guide Wage Supplement and the Occupational Outlook Reports.

## **Visit our interactive on-line sites:**

*Labor Market Information for Economic Development (LMI4ED)* Provides industry trends and occupational information in an interactive application. Users can search for data by county and industry or occupation, select individual items for display, and produce customized tables. LMI4ED is available at:

**<http://www.lmi4ed.ca.gov>**

*California Career & Training Information System (CaCTIS)* Provides job seekers and career development professionals easy access to occupational wages and outlook, training information and job openings. CaCTIS is available at:

**<http://www.cactis.ca.gov>**

**Publications and Information:** Publications Desk (916) 262-2162

**Internet Assistance:** (916) 262-2213 or (916) 262-2340

# Related Websites

## Local Government

CA local government agencies

[http://www.ceres.ca.gov/geo\\_area/counties](http://www.ceres.ca.gov/geo_area/counties)

Sacramento Area Commerce and Trade Organization

<http://www.sactoedc.org>

## State Government

California's Home Page — Links to all state government agencies

<http://www.ca.gov>

EDD Home Page

<http://www.edd.ca.gov>

California Career Resource Network (CalCRN) — CalCRN is an interagency committee created to promote the development and use of occupational and career information.

<http://www.soicc.ca.gov>

California Department of Finance (DOF) — DOF provides demographic information, population estimates, and cost of living information.

<http://www.dof.ca.gov>

California One-Stop Career Centers

<http://www.sjtcc.ca.gov/sjtccweb/one-stop>

California School To Career (STC) — School-to-Career is a method of teaching that prepares students for college and the job market by integrating academic studies with real world applications and work based learning experiences.

<http://www.stc.ca.gov>

California's Job Bank

<http://www.caljobs.ca.gov>

Department Of Industrial Relations (DIR) — Worker's Compensation, labor law, and statistics.

<http://www.dir.ca.gov>

## Federal Government

Federal Department of Labor, Bureau of Labor Statistics

<http://stats.bls.gov>

Bureau of the Census

<http://www.census.gov>

Library of Congress

<http://lcweb.loc.gov>

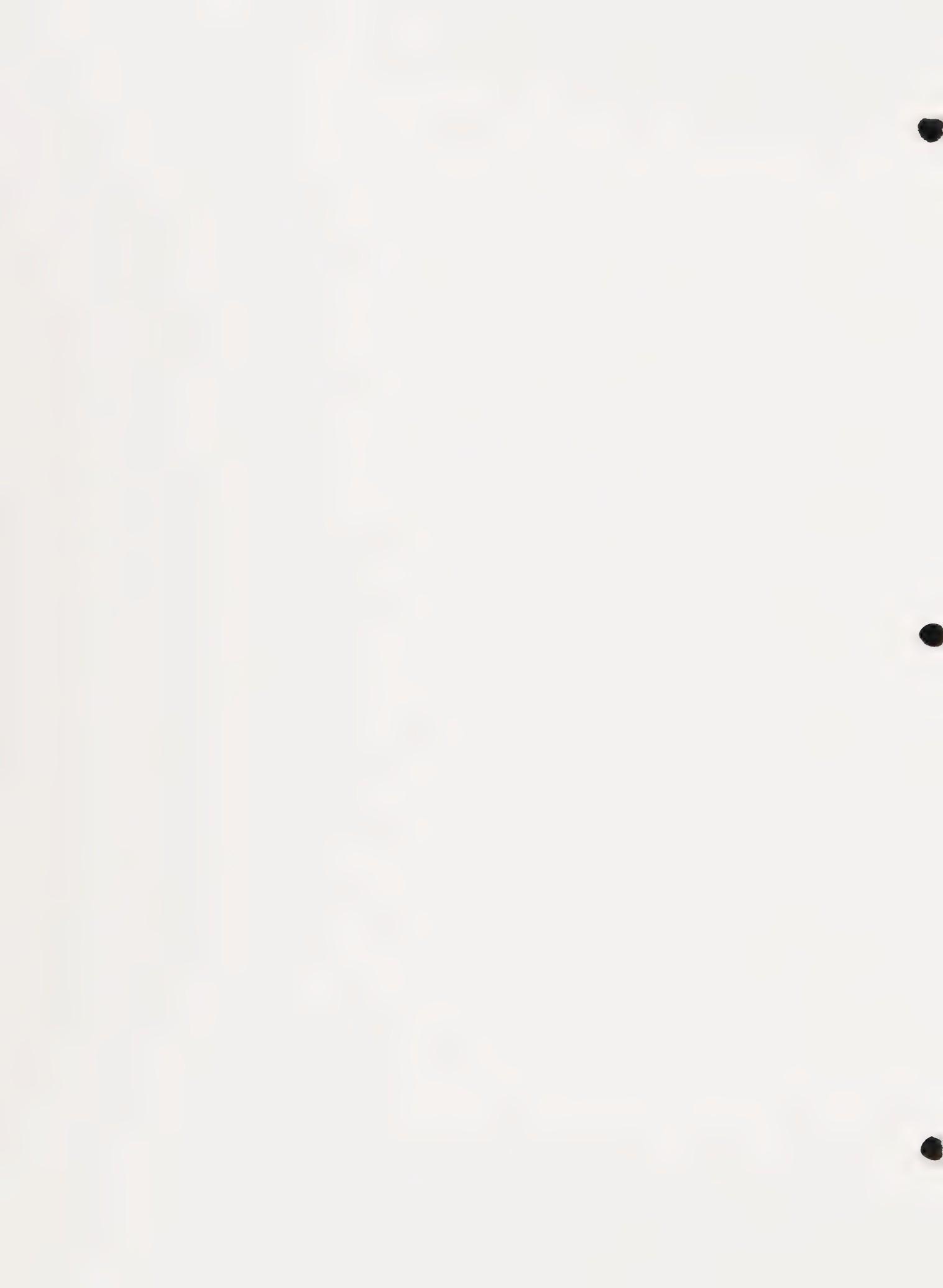
America's Job Bank

<http://www.ajb.dni.us>

*Projections*  
*& Planning*  
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## **Module B:**

# **Labor Force**



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# Labor Force

Labor force statistics are derived from the monthly Current Population Survey (CPS) conducted by the Bureau of Census for the Bureau of Labor Statistics (BLS). This monthly survey collects demographic data including employment and unemployment status for all states. The CPS sample consists of over 60,000 households nationwide with over 4,600 households in California. These data represent counts of individuals by place of residence rather than a count of jobs.

County-level labor force data, with the exception of Los Angeles county, are derived using a variety of information including CPS information, Wage and Salary Employment, and unemployment claims data for local areas.

*Civilian Labor Force* includes all non-institutional civilians, 16 years of age and older, who are working or looking for work: the sum of employed and unemployed.

*Civilian Employment* includes all individuals who are working, either for a wage or salary, self-employed, working at least one hour for pay or profit each week, or working at least 15 unpaid hours in a family business. Those who are on vacation, other kinds of leave, or involved in a labor dispute, are also counted as employed (whether or not they were paid for the time off).

*Civilian Unemployment* includes those individuals who are not working but are able, available and looking for work.

*Unemployment Rate* is the number of unemployed individuals expressed as a percentage of the civilian labor force.

## Suggestions for Users

Regular users of labor force data include grant writers, economic development professionals, government agencies and local social service agencies. This section also provides suggestions for the first time user, the job hunter and the occasional user.

- County labor force data are not seasonally adjusted. It is important to request "not seasonally

adjusted" labor force data for the state and the nation to make a valid comparison.

- The employment and unemployment figures tend to vary from month to month for many reasons. As a result, the annual average figures, over time, tend to be a better estimate of the labor force trends within the area.
- The unemployment rate may not reflect the economic conditions in all areas of the county. The labor market can vary greatly in different industries, in different occupations, and in different parts of the county.
- Month-to-month labor force data are a useful indicator of seasonal changes in an area, such as outdoor activities (i.e. construction), holiday hiring, school schedules and agricultural patterns.
- California labor force data for years prior to 1990 are not directly comparable with data for 1990 and later years due to the introduction of the 1990 Census population controls.

## Additional Sources of Information:

- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Association for Local Economic Development (CALED)
- Local Chambers of Commerce
- Local Economic Development Organizations
- Newspapers

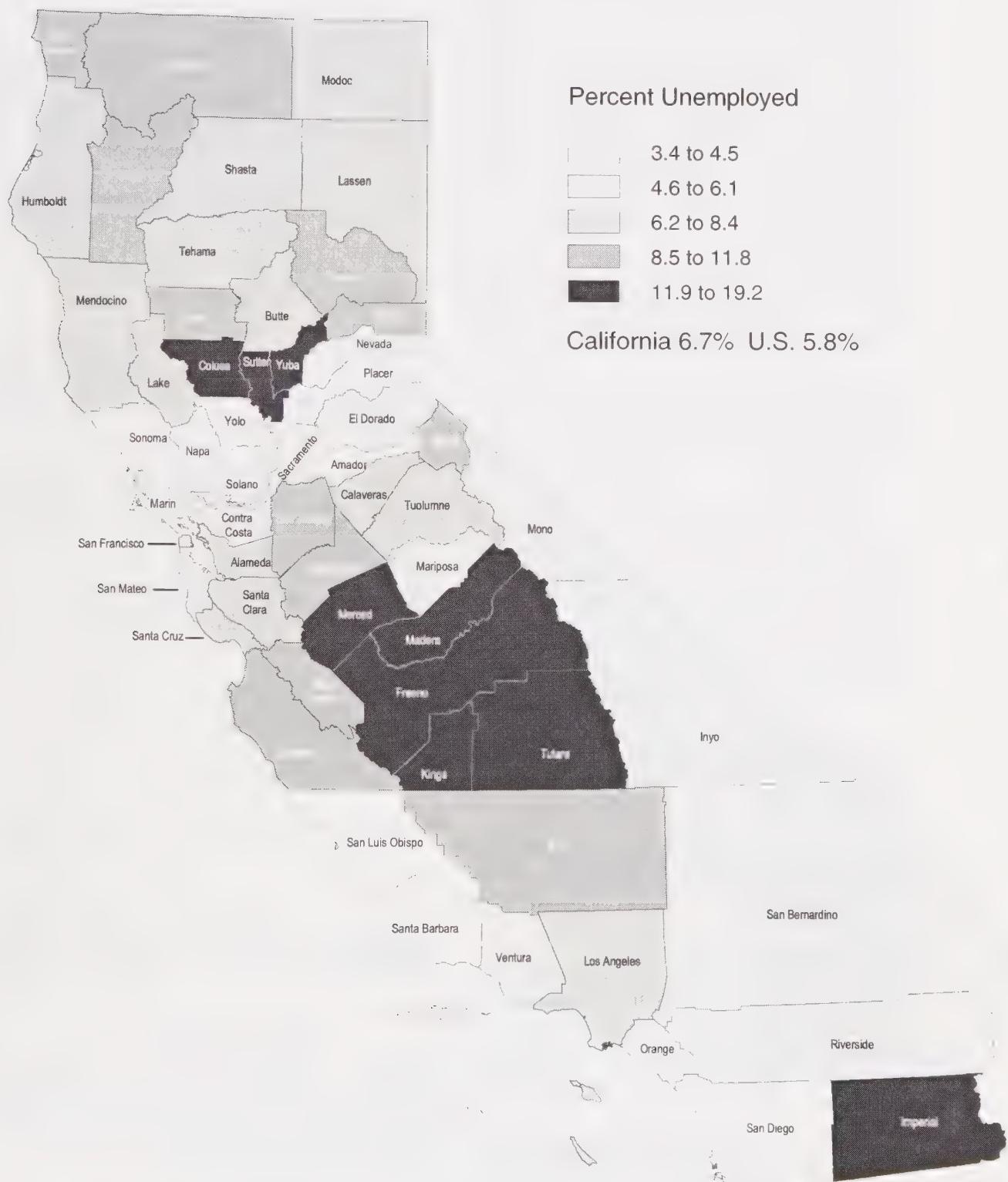
Electronic access to data is available through the Employment Development Department's Internet address at:

[www.calmis.ca.gov](http://www.calmis.ca.gov)

Please call (916) 262-2162 for additional information or technical assistance, to obtain current monthly data, or contact information for local labor market consultants.

# County Unemployment Rates

2002 Annual Averages



**United States, California and Counties**  
**Unemployment Rates**  
 2001, 2002 Annual Averages\*

	2001	2002		2001	2002
<b>U.S.</b>	4.7	5.8			
<b>CALIFORNIA</b>	5.4	6.7			
Alameda	4.6	6.8	Orange	3.0	4.1
Alpine	9.6	9.8	Placer	3.5	4.5
Amador	3.9	4.4	Plumas	8.5	9.0
Butte	7.1	7.7	Riverside	5.2	6.1
Calaveras	6.0	7.0	Sacramento	4.2	5.4
Colusa	15.6	16.4	San Benito	8.4	10.0
Contra Costa	3.3	5.2	San Bernardino	4.8	5.7
Del Norte	8.8	9.3	San Diego	3.2	4.3
El Dorado	4.0	5.0	San Francisco	5.2	7.3
Fresno	13.8	14.4	San Joaquin	8.8	10.1
Glenn	9.6	10.2	San Luis Obispo	2.8	3.4
Humboldt	6.0	6.5	San Mateo	2.9	5.0
Imperial	21.8	19.2	Santa Barbara	3.5	4.2
Inyo	4.9	5.9	Santa Clara	4.6	8.4
Kern	10.7	11.8	Santa Cruz	6.2	8.0
Kings	13.7	14.6	Shasta	6.8	7.4
Lake	7.3	8.4	Sierra	9.7	11.4
Lassen	6.7	6.7	Siskiyou	9.4	9.8
Los Angeles	5.7	6.8	Solano	4.1	5.5
Madera	12.2	12.7	Sonoma	3.0	4.5
Marin	2.5	3.9	Stanislaus	10.3	11.4
Mariposa	5.6	5.8	Sutter	12.4	13.6
Mendocino	6.7	7.2	Tehama	6.4	6.8
Merced	14.1	14.4	Trinity	9.9	9.7
Modoc	6.1	6.7	Tulare	15.5	15.5
Mono	5.3	5.6	Tuolumne	5.6	6.4
Monterey	9.4	10.5	Ventura	4.6	5.4
Napa	3.2	4.3	Yolo	4.3	5.0
Nevada	3.6	4.5	Yuba	12.1	13.3

\*March 2002 Benchmark figures

**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)  
Annual Averages 1990–2002

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b>	852,800	804,300	48,500	5.7%
<b>2001</b>	815,800	776,500	39,300	4.8%
<b>2000</b>	788,300	750,900	37,400	4.7%
<b>1999</b>	754,300	718,000	36,300	4.8%
<b>1998</b>	725,000	684,200	40,800	5.6%
<b>1997</b>	709,400	664,400	45,000	6.3%
<b>1996</b>	686,500	636,700	49,800	7.3%
<b>1995</b>	680,800	626,900	53,900	7.9%
<b>1994</b>	677,800	619,600	58,200	8.6%
<b>1993</b>	678,300	611,800	66,500	9.8%
<b>1992</b>	671,000	606,800	64,200	9.6%
<b>1991</b>	644,700	592,100	52,600	8.2%
<b>1990</b>	637,800	602,000	35,800	5.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

Effective with the release of January 2003 data in February 2003, labor force data for all areas have been revised back to January 2000. This revision is the result of incorporation of the 2000 Census population controls at the State level and changes in methodology. Therefore, data for years prior to 2000 are not comparable with data for 2000 and later years.

**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

	<b>Labor Force</b>	<b>Employment</b>	<b>Unemployment</b>	<b>Rate</b>
<b>2002</b>	January 840,300	794,000	46,400	5.5%
	February 841,800	796,400	45,500	5.4%
	March 844,500	799,200	45,400	5.4%
	April 850,300	804,700	45,500	5.4%
	May 851,900	806,500	45,400	5.3%
	June 862,300	810,800	51,500	6.0%
	July 854,200	800,100	54,100	6.3%
	August 852,200	801,900	50,300	5.9%
	September 849,700	799,800	49,900	5.9%
	October 858,300	807,100	51,200	6.0%
	November 863,000	813,500	49,500	5.7%
	December 864,800	818,000	46,800	5.4%
	Annual Average 852,800	804,300	48,500	5.7%
<b>2001</b>	January 803,000	764,600	38,400	4.8%
	February 798,800	762,000	36,900	4.6%
	March 806,400	769,700	36,700	4.6%
	April 803,200	767,200	36,000	4.5%
	May 807,400	771,300	36,100	4.5%
	June 818,600	776,100	42,500	5.2%
	July 822,800	779,500	43,300	5.3%
	August 817,100	776,200	40,900	5.0%
	September 817,100	777,400	39,800	4.9%
	October 827,700	786,700	41,000	5.0%
	November 833,700	792,500	41,200	4.9%
	December 833,200	794,800	38,500	4.6%
	Annual Average 815,800	776,500	39,300	4.8%
<b>2000</b>	January 774,700	738,100	36,600	4.7%
	February 774,000	738,300	35,700	4.6%
	March 781,700	745,700	36,000	4.6%
	April 784,000	749,000	35,100	4.5%
	May 787,400	750,700	36,700	4.7%
	June 795,300	751,400	43,900	5.5%
	July 792,600	747,900	44,700	5.6%
	August 788,200	748,200	40,000	5.1%
	September 788,000	749,900	38,100	4.8%
	October 795,900	759,400	36,500	4.6%
	November 799,300	764,300	35,000	4.4%
	December 799,100	768,600	30,500	3.8%
	Annual Average 788,300	750,900	37,400	4.7%

**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1999</b>	January	736,700	697,100	39,600	5.4%
	February	737,300	699,800	37,500	5.1%
	March	743,800	707,500	36,300	4.9%
	April	739,300	705,400	33,900	4.6%
	May	742,400	707,900	34,400	4.6%
	June	754,900	713,800	41,100	5.4%
	July	764,400	722,800	41,600	5.4%
	August	759,600	722,400	37,200	4.9%
	September	755,000	719,300	35,700	4.7%
	October	769,000	733,700	35,300	4.6%
	November	772,900	739,700	33,100	4.3%
	December	776,100	746,300	29,800	3.8%
	Annual Average	754,300	718,000	36,300	4.8%
<b>1998</b>	January	717,200	672,800	44,400	6.2%
	February	715,800	673,500	42,300	5.9%
	March	720,000	679,300	40,700	5.6%
	April	713,800	675,500	38,400	5.4%
	May	717,700	678,000	39,700	5.5%
	June	728,500	682,500	46,000	6.3%
	July	730,300	683,700	46,600	6.4%
	August	724,000	681,300	42,700	5.9%
	September	722,600	681,500	41,200	5.7%
	October	734,100	694,700	39,300	5.4%
	November	738,200	702,100	36,100	4.9%
	December	738,300	705,400	32,800	4.4%
	Annual Average	725,000	684,200	40,800	5.6%
<b>1997</b>	January	702,800	653,600	49,200	7.0%
	February	702,100	656,600	45,500	6.5%
	March	708,300	664,900	43,500	6.1%
	April	704,500	661,600	42,800	6.1%
	May	708,000	664,100	43,900	6.2%
	June	717,100	667,500	49,600	6.9%
	July	713,400	662,300	51,100	7.2%
	August	705,900	658,300	47,600	6.7%
	September	706,900	660,600	46,300	6.5%
	October	714,500	670,700	43,800	6.1%
	November	715,400	675,200	40,200	5.6%
	December	714,000	677,200	36,900	5.2%
	Annual Average	709,400	664,400	45,000	6.3%

**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1996</b>	January	686,300	631,200	55,100	8.0%
	February	684,100	630,800	53,300	7.8%
	March	687,500	636,900	50,500	7.4%
	April	680,900	631,200	49,700	7.3%
	May	682,700	632,500	50,200	7.4%
	June	687,000	633,000	54,000	7.9%
	July	682,800	627,300	55,500	8.1%
	August	680,500	629,900	50,500	7.4%
	September	680,800	632,400	48,500	7.1%
	October	694,700	648,000	46,700	6.7%
	November	695,400	651,800	43,600	6.3%
	December	695,200	655,200	40,000	5.8%
	Annual Average	686,500	636,700	49,800	7.3%
<b>1995</b>	January	681,500	626,400	55,100	8.1%
	February	678,000	625,300	52,700	7.8%
	March	683,100	632,500	50,600	7.4%
	April	677,500	625,600	51,900	7.7%
	May	681,700	627,600	54,100	7.9%
	June	683,200	625,400	57,800	8.5%
	July	679,300	620,400	58,900	8.7%
	August	673,700	619,400	54,300	8.1%
	September	675,700	621,100	54,600	8.1%
	October	683,900	628,500	55,400	8.1%
	November	687,400	634,100	53,300	7.8%
	December	684,400	636,900	47,500	6.9%
	Annual Average	680,800	626,900	53,900	7.9%
<b>1994</b>	January	680,300	612,300	68,000	10.0%
	February	677,500	612,900	64,600	9.5%
	March	678,800	618,500	60,300	8.9%
	April	674,500	614,700	59,800	8.9%
	May	679,800	620,000	59,800	8.8%
	June	683,700	620,800	62,900	9.2%
	July	680,200	617,200	63,000	9.3%
	August	674,700	617,300	57,400	8.5%
	September	673,700	617,800	55,900	8.3%
	October	676,900	624,700	52,200	7.7%
	November	677,400	628,300	49,100	7.3%
	December	675,700	630,200	45,500	6.7%
	Annual Average	677,800	619,600	58,200	8.6%

**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1993</b>	January	679,600	609,000	70,600	10.4%
	February	675,400	608,200	67,200	9.9%
	March	678,000	613,600	64,400	9.5%
	April	674,000	609,400	64,600	9.6%
	May	673,300	607,700	65,600	9.7%
	June	681,700	610,700	71,000	10.4%
	July	680,000	608,000	72,000	10.6%
	August	674,400	606,500	67,900	10.1%
	September	673,100	605,900	67,200	10.0%
	October	681,200	615,400	65,800	9.7%
	November	685,000	621,800	63,200	9.2%
	December	684,500	625,600	58,900	8.6%
	Annual Average	678,300	611,800	66,500	9.8%
<b>1992</b>	January	666,500	607,900	58,600	8.8%
	February	666,700	605,300	61,400	9.2%
	March	670,900	611,500	59,400	8.9%
	April	665,800	605,300	60,500	9.1%
	May	668,100	605,100	63,000	9.4%
	June	678,500	609,600	68,900	10.2%
	July	674,600	604,300	70,300	10.4%
	August	668,100	600,700	67,400	10.1%
	September	665,500	598,500	67,000	10.1%
	October	674,200	607,900	66,300	9.8%
	November	677,800	612,100	65,700	9.7%
	December	675,700	613,500	62,200	9.2%
	Annual Average	671,000	606,800	64,200	9.6%
<b>1991</b>	January	646,800	596,200	50,600	7.8%
	February	645,500	593,200	52,300	8.1%
	March	647,800	596,800	51,000	7.9%
	April	643,600	592,100	51,500	8.0%
	May	644,100	591,800	52,300	8.1%
	June	649,400	593,000	56,400	8.7%
	July	652,000	593,400	58,600	9.0%
	August	638,400	585,600	52,800	8.3%
	September	635,000	582,100	52,900	8.3%
	October	644,800	591,700	53,100	8.2%
	November	644,900	594,100	50,800	7.9%
	December	644,500	595,300	49,200	7.6%
	Annual Average	644,700	592,100	52,600	8.2%

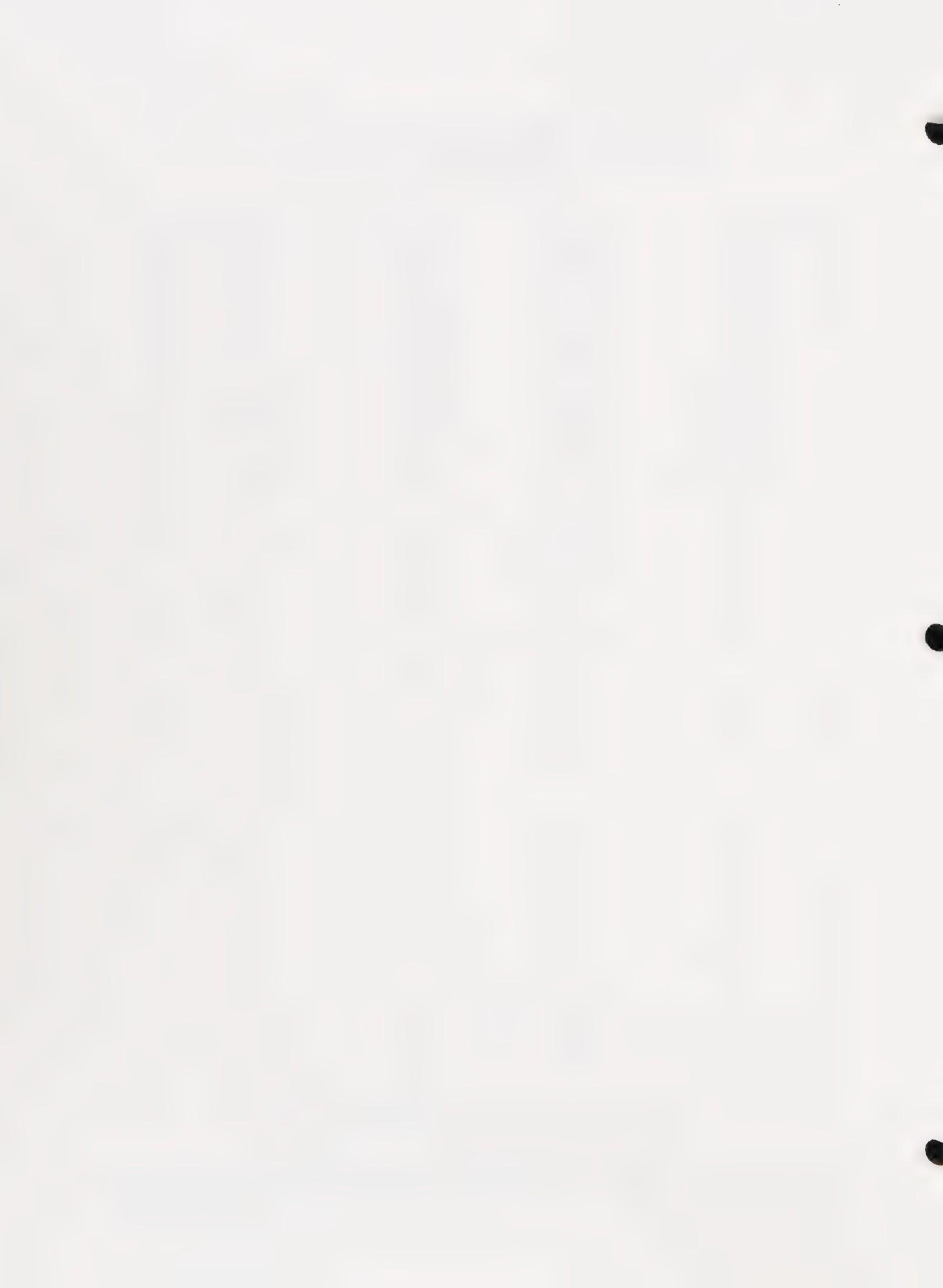
**San Bernardino County**  
**Civilian Labor Force, Employment and Unemployment**  
(2002 Benchmark)

<b>1990</b>	January	631,500	602,500	29,000	4.6%
	February	633,300	604,800	28,500	4.5%
	March	638,200	610,300	27,900	4.4%
	April	634,800	604,700	30,100	4.7%
	May	638,300	606,300	32,000	5.0%
	June	649,000	611,800	37,200	5.7%
	July	644,500	604,200	40,300	6.2%
	August	638,500	600,600	37,900	5.9%
	September	625,500	585,200	40,300	6.4%
	October	636,600	595,200	41,500	6.5%
	November	641,900	598,300	43,600	6.8%
	December	640,600	599,800	40,800	6.4%
	Annual Average	637,800	602,000	35,800	5.6%

Notes:

- (1) The unemployment rate is calculated using unrounded data.
- (2) Due to the introduction of the 1990 census population figures, the data for years prior to 1990 are not comparable with data for 1990 and later years.

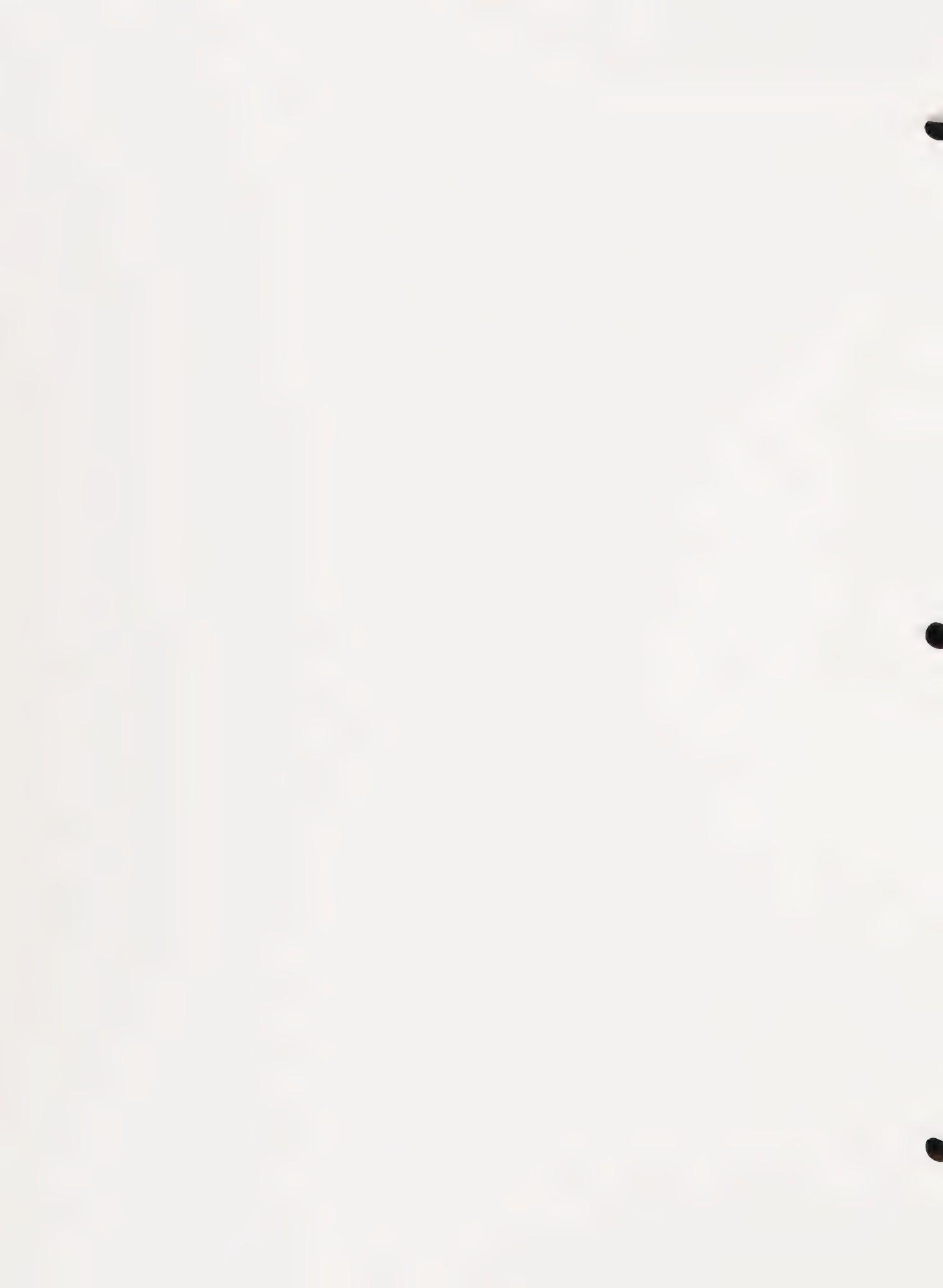
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*Projections*  
*E&P Planning*  
*Information*

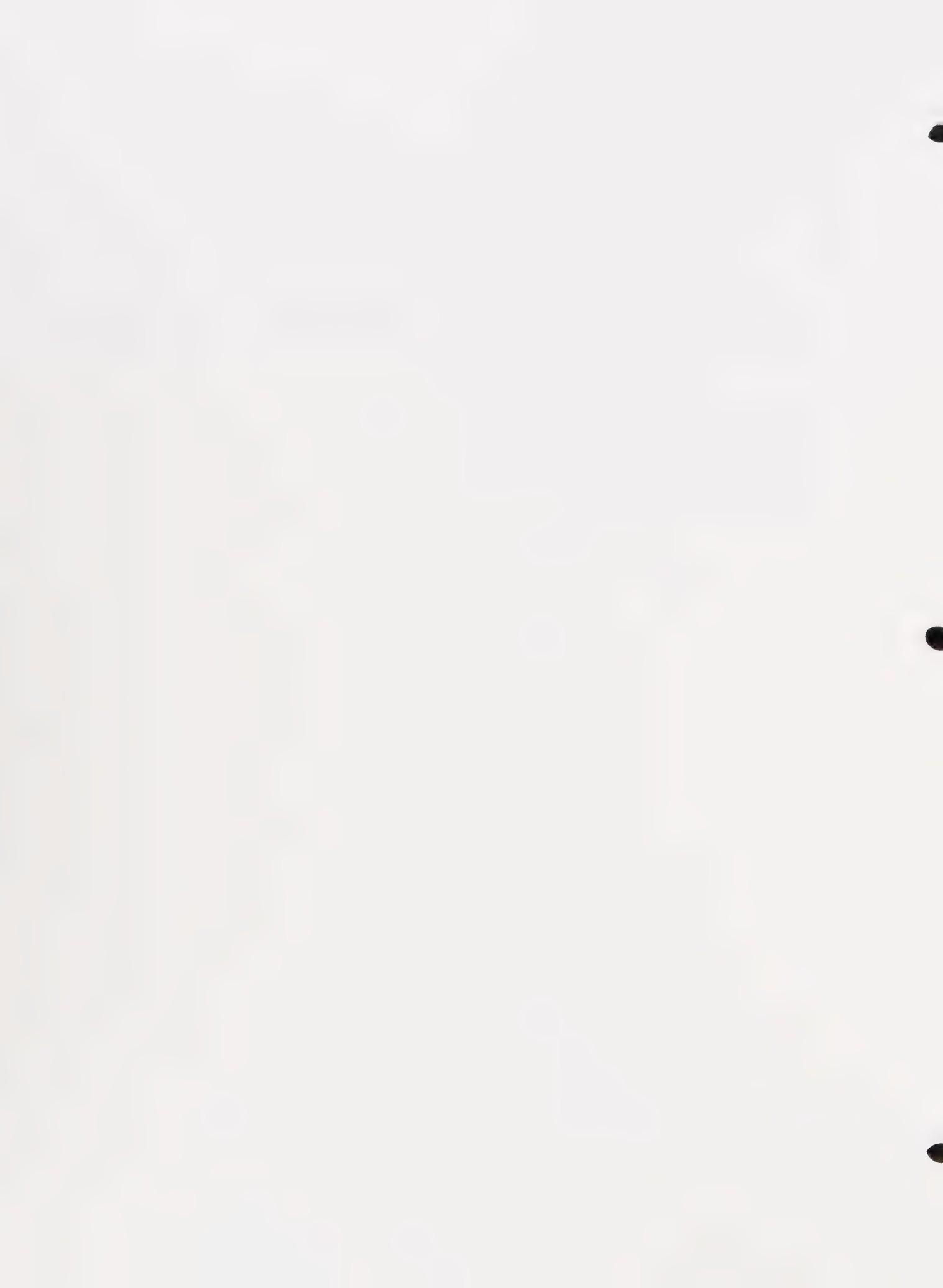
## **Module C:**

# **Wage & Salary Employment**



# **Table of Contents**

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# **Wage and Salary Employment**

*Wage and Salary Employment* data reflect jobs by "place of work" and by broad industry categories. These industries are classified according to the Standard Industrial Classification (SIC) code. The data do not include the self-employed, unpaid family workers or private household employees. Jobs located in the county of the Metropolitan Statistical Area (MSA) that pay wages and salaries are counted although workers may live outside the area. Jobs are counted regardless of the number of hours worked. Individuals who hold more than one job may be counted more than once.

## **Current Employment Statistics**

These data are based on the Current Employment Statistics (CES) survey. The CES survey summarizes monthly employment, hours and earnings data from a sample of California employers. This survey is also referred to as the establishment, or wage and salary employment survey. The estimates are revised in the following month as job information is received from additional employers. Final revisions to the statewide and local area data, called a "Benchmark" are made each March for the previous two years based on payroll tax reports submitted by California employers covered by the Unemployment Insurance program.

## **Annual Average Data**

Annual average data are derived by adding up the monthly data for each industry and dividing by twelve to determine an actual annual average. These annual average data may reflect major business openings, expansions, and closings. Or, these data may reflect trends affecting an entire industry such as economic conditions, structural and technological changes.

## **Users of Wage and Salary Data**

Economic developers, firms considering relocation, government agencies, grant writers, universities and anyone preparing reports on employment use wage and salary employment information to identify local industry trends. People looking for work and those counseling or placing others may learn about prospects for employment in various industries. Anyone seeking background information may use the wage and salary industry employment tables to look at the county's economy as a whole; at one industry; and/or at related industries for a firm's suppliers or for potential markets.

## **Points to Consider:**

- Monthly job estimates are not adjusted for seasonal changes in employment. It is important to keep in mind that month-to-month changes may be due to regular seasonal patterns in an industry. For instance, during the holiday shopping season, retail jobs increase and during the summer, there are more workers in the construction industry. On the other hand, changes may reflect new businesses, expansions, or closings. Comparison of monthly changes for the same period in prior years will provide a better understanding of whether the change is seasonal or atypical.
- Monthly fluctuations in wage and salary employment are an essential part of the changes that occur in the dynamic economy of a county or region. It is important to study wage and salary employment data over time to evaluate the strength of the local economy.

- Wage and salary employment data identify which industries have the largest number of jobs. However, an industry with a large number of workers may not necessarily be expanding; it may even be downsizing, while new and expanding industries may not have large numbers of existing jobs but are a good source for new job opportunities.
- Annual average data, over time, tend to be a better indicator of employment trends for the various industries in an area.

### **Additional Sources of Information**

You may consult the labor force and industry and occupational projections modules of this report for more information on economic conditions in the county. Or, you may speak with the Labor Market Information Division's (LMID) area consultants located throughout the state who are knowledgeable about the economic activities within their local areas. Other sources of information include:

- U. S. Bureau of Labor Statistics
- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Universities and Colleges

### **Automated Access**

Access to current data is available through the Employment Development Department's Internet address at:

**<http://www.calmis.ca.gov>**

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. To obtain contact information for local labor market consultants or to obtain current monthly data, customers may also call (916) 262-2162, or FAX (916) 262-2443, for current monthly data.

**SAN BERNARDINO COUNTY**  
 (Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)  
**Wage and Salary Employment by Industry**  
 (Data Not Seasonally Adjusted)  
 2001 Benchmark  
 Annual Averages 1992-2001

<b>Industry Title</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
Total, All Industries (1)	425,700	423,900	431,300	446,400	458,500	474,700	491,600	518,600	543,600	560,400
Total Farm	5,300	5,200	5,000	4,500	4,400	4,200	4,100	4,100	4,200	3,600
Farm Production	4,300	4,300	4,100	3,600	3,700	3,800	3,600	3,600	3,600	3,100
Farm Services	900	900	900	900	700	500	500	400	600	600
Total Nonfarm	420,400	418,700	426,300	441,900	454,000	470,500	487,500	514,600	539,400	556,700
Goods Producing	70,300	68,000	70,200	75,800	80,000	84,100	90,200	97,200	103,800	105,900
Mining (2)	600	700	600	800	800	800	700	600	700	700
Construction	19,700	18,100	19,300	20,500	21,600	23,200	25,600	28,900	31,900	34,000
General Building Contractors (3)	3,600	3,500	3,800	3,900	3,800	3,600	4,300	5,400	5,600	5,900
Heavy Construction	3,400	3,000	3,200	3,300	3,300	3,300	3,400	3,600	3,800	4,000
Special Trade	12,700	11,600	12,200	13,300	14,500	16,400	18,000	19,900	22,600	24,200
Manufacturing (4)	50,000	49,300	50,300	54,400	57,600	60,100	63,900	67,700	71,200	71,200
Durable Goods (4)	35,300	33,100	33,200	36,200	39,100	41,000	44,600	47,000	49,300	49,300
Lumber & Wood Products (4)	2,600	2,200	2,500	2,900	3,200	3,700	3,900	4,100	4,400	4,700
Furniture & Fixtures (5)	3,500	3,700	3,100	3,700	4,600	5,200	6,000	6,300	7,100	6,700
Stone, Clay, & Glass	3,500	3,300	3,500	4,000	4,100	4,200	4,600	5,000	5,500	5,900
Primary Metals (6)	2,300	2,400	2,800	2,800	2,800	2,900	3,100	3,300	3,500	3,500
Fabricated Metal Products (7)	6,200	6,000	6,600	7,100	7,700	8,100	8,600	9,100	9,600	9,900
Industrial Machinery (8)	3,500	3,500	3,800	4,400	4,900	5,400	5,700	5,600	5,600	5,500
Electronic Equipment (9)	3,000	3,000	3,100	3,000	3,400	3,900	3,700	3,400	3,800	3,800
Transportation Equipment (10)	8,400	6,800	5,700	5,900	6,000	5,500	6,400	7,300	6,600	6,300
Aircraft, Missiles & Space Veh. (9)	6,400	4,900	3,300	2,800	2,600	2,200	2,800	3,000	2,100	1,700
Other Transportation Equip. (4)	2,000	1,900	2,400	3,100	3,400	3,200	3,600	4,300	4,500	4,600
Instruments & Related Prods. (4)	1,300	1,300	1,200	1,400	1,400	1,200	1,200	1,300	1,500	1,500
Miscellaneous Manufacturing (11)	1,100	900	1,000	1,100	1,100	1,000	1,500	1,700	1,700	1,800
Nondurable Goods (4)	14,700	16,200	17,000	18,200	18,500	19,100	19,300	20,700	21,900	21,900
Food & Kindred Products (10)	3,600	3,800	3,900	3,800	3,600	3,600	3,900	4,100	4,000	4,400
Apparel & Other Textile Prods (6)	1,200	1,100	1,200	1,400	1,400	1,300	1,300	1,300	1,400	1,400
Printing & Publishing (8)	3,400	3,800	3,800	3,700	3,500	3,700	3,500	3,500	3,600	3,700
Chemicals & Allied Products	2,100	2,200	2,100	2,200	2,200	2,200	2,100	2,200	2,400	2,500
Rubber & Misc. Plastics Prods (12)	3,900	4,000	4,300	4,700	5,000	5,400	6,100	7,000	7,600	7,200
Other Nondurable Goods	500	1,400	1,800	2,400	2,800	2,800	2,600	2,700	2,800	2,700

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Annual Averages 1992-2001**

Industry Title	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001
Service Producing	350,000	350,700	356,200	366,100	374,000	386,400	397,300	417,400	435,700	450,800
Transportation & Public Utilities	25,600	26,500	27,900	29,300	30,100	30,900	33,100	35,300	36,600	37,200
Transportation	16,400	17,500	19,400	21,300	22,700	23,600	25,100	27,300	28,500	28,400
Trucking & Warehousing (13)	10,300	11,500	12,400	13,300	11,200	11,900	13,000	14,400	15,600	15,600
Other Transportation (13)	6,100	6,000	6,900	8,000	11,500	11,700	12,100	12,900	12,900	12,700
Communications & Public Util.	9,200	9,000	8,500	8,100	7,400	7,300	8,000	8,000	8,000	8,900
Communications (2)	5,000	4,800	4,300	3,700	3,100	3,200	3,600	3,500	3,300	4,000
Electric, Gas & Sanitary Serv.	4,200	4,200	4,200	4,400	4,300	4,200	4,400	4,500	4,700	4,900
Trade	108,400	110,900	113,500	117,500	119,800	123,600	124,800	128,700	137,100	140,500
Wholesale Trade	19,400	20,500	22,100	23,100	24,200	25,900	27,000	28,500	31,100	31,700
Wholesale--Durable (14)	11,600	12,400	13,900	14,600	15,000	15,900	16,900	18,300	20,300	21,200
Wholesale--Nondurable	7,800	8,100	8,100	8,500	9,200	10,000	10,100	10,100	10,800	10,500
Retail Trade	89,000	90,400	91,500	94,400	95,600	97,700	97,800	100,200	106,000	108,800
Bldng Materls & Garden Supp.	3,800	3,400	3,200	3,100	3,300	3,500	3,600	3,900	4,300	4,700
General Merchandise	14,700	16,900	16,800	17,600	17,300	16,800	16,600	16,200	16,300	16,900
Food Stores	14,300	12,800	12,800	12,900	13,100	13,100	13,100	13,500	14,100	14,500
Automotive Dealers & Service	10,700	11,000	11,500	11,600	12,200	12,300	11,900	12,600	13,000	13,400
Eating & Drinking Places	26,800	27,900	28,900	30,300	31,200	32,400	32,500	33,100	36,100	37,700
Other Retail Trade (4)	18,700	18,500	18,400	18,900	18,600	19,600	20,100	21,000	22,200	21,600
Finance, Insurance & Real Estate	16,700	16,800	16,400	15,600	15,900	16,300	16,600	17,000	16,900	17,900
Finance	8,100	8,500	8,200	7,500	7,700	8,300	8,500	8,600	8,700	9,200
Other Fin., Ins. & Real Estate	8,600	8,300	8,100	8,100	8,100	8,000	8,100	8,400	8,200	8,700
Services	104,100	104,000	106,100	108,800	110,900	116,200	122,100	131,500	137,100	144,800
Hotels & Other Lodging Places	5,200	4,100	4,000	4,300	3,600	3,500	3,500	3,500	3,700	3,700
Personal Services	3,900	3,900	3,700	4,100	4,300	4,200	3,800	4,000	4,000	4,200
Business Services	19,900	20,400	20,600	20,200	20,000	22,700	27,500	32,900	35,700	37,200
Amusement, Including Movies (14)	4,800	4,900	4,900	5,300	5,800	6,400	6,500	6,800	7,200	8,500
Health Services	33,300	33,400	35,200	36,800	37,300	38,800	38,500	39,400	40,400	42,300
Private Educational Services	5,500	5,600	5,600	5,700	6,100	6,200	6,500	6,700	7,000	7,300
Engineering & Management (15)	7,800	7,600	6,800	7,200	7,100	6,400	6,000	6,900	7,400	7,800
Other Services	23,800	24,100	25,200	25,300	26,800	28,000	29,900	31,400	31,800	33,900

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Annual Averages 1992-2001**

<b>Industry Title</b>	<b>1992</b>	<b>1993</b>	<b>1994</b>	<b>1995</b>	<b>1996</b>	<b>1997</b>	<b>1998</b>	<b>1999</b>	<b>2000</b>	<b>2001</b>
Government	95,300	92,500	92,300	94,800	97,500	99,400	100,800	104,900	108,100	110,300
Federal Government	14,400	13,100	12,100	12,400	12,300	11,900	11,100	11,100	11,400	10,700
Department of Defense	5,600	4,800	4,100	4,000	4,000	4,100	3,900	3,600	3,400	3,200
Other Federal Government	8,800	8,300	8,000	8,400	8,300	7,800	7,200	7,400	8,000	7,600
State & Local Government	80,900	79,400	80,200	82,500	85,200	87,500	89,700	93,900	96,700	99,600
State Government	9,800	9,800	10,000	10,300	10,400	10,600	10,900	11,300	11,800	11,700
State Education	1,600	1,600	1,700	1,800	1,700	1,900	2,000	2,200	2,400	2,500
Other State Government	8,200	8,200	8,300	8,600	8,700	8,700	8,900	9,200	9,500	9,200
Local Government	71,100	69,600	70,200	72,100	74,800	77,000	78,900	82,500	84,800	87,900
Local Education	44,500	43,100	43,900	44,900	46,800	49,200	50,800	53,700	55,800	58,300
County Government	14,300	14,100	14,100	14,300	14,600	15,100	15,700	16,100	15,800	15,900
City Government	7,600	7,800	7,700	7,500	7,600	7,200	7,200	7,500	7,600	8,000
Other Local Government (16)	4,700	4,700	4,500	5,400	5,800	5,500	5,100	5,200	5,600	5,700

n/a = Data not available.

Footnotes: See last page of this section.

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1997**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Total, All Industries (1)	464,500	467,400	471,400	472,400	475,200	477,900	475,600	470,600	477,600	478,000	480,600	485,200	474,700
Total Farm	4,300	4,300	4,300	4,000	4,100	4,300	4,100	4,000	4,300	4,300	4,300	4,500	4,200
Farm Production	3,800	3,800	3,800	3,800	3,800	3,800	3,600	3,500	3,700	3,800	3,700	3,900	3,800
Farm Services	500	500	500	200	300	500	500	500	600	500	600	600	500
Total Nonfarm	460,200	463,100	467,100	468,400	471,100	473,600	471,500	466,600	473,300	473,700	476,300	480,700	470,500
Goods Producing	79,800	81,200	82,100	82,400	83,700	84,800	85,200	86,100	85,900	85,900	85,600	86,100	84,100
Mining (2)	800	900	800	800	800	800	800	900	800	800	800	800	800
Construction	20,400	21,200	22,000	22,200	22,900	23,600	24,300	24,800	24,600	24,500	23,700	23,700	23,200
General Building Contractors (3)	3,200	3,200	3,300	3,500	3,500	3,600	3,700	3,700	3,700	3,900	3,600	3,700	3,600
Heavy Construction	3,000	3,100	3,100	3,100	3,100	3,200	3,400	3,500	3,500	3,500	3,300	3,300	3,300
Special Trade	14,200	14,900	15,600	15,600	16,300	16,800	17,200	17,600	17,400	17,100	16,800	16,700	16,400
Manufacturing (4)	58,600	59,100	59,300	59,400	60,000	60,400	60,100	60,400	60,500	60,600	61,100	61,600	60,100
Durable Goods (4)	39,900	40,400	40,500	40,400	40,800	41,100	41,000	41,200	41,300	41,500	41,900	42,500	41,000
Lumber & Wood Products (4)	3,500	3,600	3,600	3,700	3,700	3,700	3,800	3,800	3,800	3,700	3,800	3,900	3,700
Furniture & Fixtures (5)	5,100	5,200	5,100	5,200	5,200	5,200	5,100	5,100	5,100	5,300	5,400	5,400	5,200
Stone, Clay, & Glass	4,100	4,100	4,200	4,000	4,100	4,100	4,300	4,200	4,200	4,200	4,300	4,400	4,200
Primary Metals (6)	2,800	2,900	2,900	2,800	2,900	2,900	2,800	2,800	2,900	2,900	2,900	2,900	2,900
Fabricated Metal Products (7)	8,000	8,000	8,100	8,000	8,100	8,100	8,100	8,100	8,200	8,200	8,300	8,300	8,100
Industrial Machinery (8)	5,200	5,300	5,300	5,400	5,400	5,500	5,500	5,500	5,600	5,500	5,400	5,500	5,400
Electronic Equipment (9)	3,700	3,800	3,800	4,000	3,900	4,100	3,900	4,000	3,900	3,900	3,800	3,800	3,900
Transportation Equipment (10)	5,200	5,300	5,300	5,300	5,500	5,400	5,400	5,500	5,400	5,600	5,700	5,800	5,500
Aircraft, Missiles & Space Veh. (9)	2,100	2,200	2,200	2,100	2,200	2,100	2,200	2,200	2,200	2,400	2,400	2,500	2,200
Other Transportation Equip. (4)	3,100	3,100	3,100	3,200	3,300	3,300	3,200	3,300	3,200	3,200	3,300	3,300	3,200
Instruments & Related Prods. (4)	1,400	1,200	1,200	1,100	1,100	1,100	1,100	1,100	1,100	1,100	1,200	1,200	1,200
Miscellaneous Manufacturing (11)	900	1,000	1,000	900	900	1,000	1,000	1,100	1,100	1,100	1,100	1,300	1,000
Nondurable Goods (4)	18,700	18,700	18,800	19,000	19,200	19,300	19,100	19,200	19,200	19,100	19,200	19,100	19,100
Food & Kindred Products (10)	3,600	3,500	3,500	3,500	3,600	3,700	3,600	3,700	3,700	3,800	3,700	3,600	3,600
Apparel & Other Textile Prods. (6)	1,300	1,300	1,300	1,300	1,300	1,300	1,200	1,300	1,300	1,200	1,300	1,300	1,300
Printing & Publishing (8)	3,700	3,800	3,900	3,900	3,900	3,900	3,700	3,600	3,600	3,500	3,500	3,400	3,700
Chemicals & Allied Products	2,300	2,200	2,200	2,300	2,300	2,300	2,200	2,200	2,200	2,200	2,200	2,200	2,200
Rubber & Misc. Plastics Prods (12)	5,100	5,200	5,200	5,200	5,300	5,300	5,400	5,400	5,500	5,500	5,600	5,700	5,400
Other Nondurable Goods	2,700	2,700	2,700	2,800	2,800	2,800	3,000	3,000	2,900	2,900	2,900	2,900	2,800

**SAN BERNARDINO COUNTY**  
 (Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)  
**Wage and Salary Employment by Industry**  
 (Data Not Seasonally Adjusted)  
 2001 Benchmark  
 Monthly January - December 1997

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Service Producing	380,400	381,900	385,000	386,000	387,400	388,800	386,300	380,500	387,400	387,800	390,700	394,600	386,400
Transportation & Public Utilities	29,700	29,900	30,300	30,200	30,800	31,300	31,200	28,800	31,500	32,300	32,200	32,400	30,900
Transportation	22,700	22,800	22,900	23,000	23,400	23,800	23,900	21,500	24,200	24,800	24,700	24,900	23,600
Trucking & Warehousing (13)	11,300	11,300	11,500	11,500	11,600	11,900	12,100	12,300	12,300	12,200	12,200	12,400	11,900
Other Transportation (13)	11,400	11,500	11,400	11,500	11,800	11,900	11,800	9,200	11,900	12,600	12,500	12,500	11,700
Communications & Public Util.	7,000	7,100	7,400	7,200	7,400	7,500	7,300	7,300	7,300	7,500	7,500	7,500	7,300
Communications (2)	2,900	3,000	3,300	3,200	3,200	3,300	3,200	3,200	3,200	3,300	3,200	3,200	3,200
Electric, Gas & Sanitary Serv.	4,100	4,100	4,100	4,000	4,200	4,200	4,100	4,100	4,100	4,200	4,300	4,300	4,200
Trade	121,100	120,700	121,500	122,000	122,700	123,600	123,900	124,200	123,900	123,400	126,600	129,700	123,600
Wholesale Trade	24,300	24,700	25,200	25,900	26,100	26,300	26,500	26,600	26,500	26,400	26,300	26,500	25,900
Wholesale--Durable (14)	14,800	15,000	15,300	15,800	15,900	16,100	16,300	16,400	16,300	16,300	16,200	16,500	15,900
Wholesale--Nondurable	9,500	9,700	9,900	10,100	10,200	10,200	10,200	10,200	10,200	10,100	10,100	10,000	10,000
Retail Trade	96,800	96,000	96,300	96,100	96,600	97,300	97,400	97,600	97,400	97,000	100,300	103,200	97,700
Bldng Materls & Garden Supp.	3,200	3,200	3,300	3,600	3,600	3,600	3,600	3,600	3,500	3,400	3,400	3,600	3,500
General Merchandise	17,000	16,400	16,400	16,300	16,300	16,500	16,200	16,300	16,300	16,600	18,200	19,400	16,800
Food Stores	12,900	12,900	13,000	13,300	13,200	13,200	13,000	12,900	13,100	13,000	13,200	13,500	13,100
Automotive Dealers & Service	12,400	12,400	12,500	12,000	12,100	12,100	12,500	12,500	12,300	12,200	12,200	12,000	12,300
Eating & Drinking Places	31,400	31,600	31,900	32,300	32,600	32,700	33,000	33,000	33,000	32,200	32,500	32,700	32,400
Other Retail Trade (4)	19,900	19,500	19,200	18,600	18,800	19,200	19,100	19,300	19,200	19,600	20,800	22,000	19,600
Finance, Insurance & Real Estate	16,500	16,700	16,700	16,400	16,200	16,000	16,300	16,200	16,200	16,300	16,200	16,000	16,300
Finance	8,300	8,400	8,400	8,300	8,300	8,300	8,300	8,300	8,300	8,400	8,300	8,200	8,300
Other Fin., Ins. & Real Estate	8,200	8,300	8,300	8,100	7,900	7,700	8,000	7,900	7,900	7,900	7,900	7,800	8,000
Services	113,700	114,900	115,600	116,600	116,700	116,800	116,100	115,700	116,800	117,000	116,400	117,700	116,200
Hotels & Other Lodging Places	3,400	3,500	3,500	3,400	3,500	3,600	3,600	3,600	3,600	3,600	3,600	3,600	3,500
Personal Services	4,700	4,700	4,700	4,500	4,200	4,200	3,900	3,800	3,800	3,800	3,800	3,800	4,200
Business Services	21,000	21,000	21,200	22,200	22,600	23,400	23,300	23,200	23,600	23,800	23,500	23,800	22,700
Amusement, Including Movies (14)	7,300	7,400	7,200	6,700	6,200	6,000	6,100	6,100	6,000	5,700	5,600	6,500	6,400
Health Services	38,400	38,700	38,800	38,600	38,900	38,800	38,700	38,800	38,700	38,900	38,800	39,200	38,800
Private Educational Services	5,900	6,200	6,400	6,400	6,400	5,900	5,500	5,600	6,000	6,500	6,700	6,500	6,200
Engineering & Management (15)	6,300	6,300	6,400	6,700	6,700	6,600	6,600	6,400	6,300	6,300	6,100	5,900	6,400
Other Services	26,700	27,100	27,400	28,100	28,200	28,300	28,400	28,200	28,800	28,400	28,300	28,400	28,000

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1997**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	AVG
Government	99,400	99,700	100,900	100,800	101,000	101,100	98,800	95,600	99,000	98,800	99,300	98,800	99,400
Federal Government	12,000	12,100	12,100	12,100	12,000	12,100	12,000	12,000	11,800	11,600	11,500	11,600	11,900
Department of Defense	4,100	4,200	4,100	4,100	4,000	4,100	4,100	4,100	4,000	4,100	4,000	4,100	4,100
Other Federal Government	7,900	7,900	8,000	8,000	8,000	8,000	7,900	7,900	7,800	7,500	7,500	7,500	7,800
State & Local Government	87,400	87,600	88,800	88,700	89,000	89,000	86,800	83,600	87,200	87,200	87,800	87,200	87,500
State Government	10,600	10,600	10,700	10,700	10,500	10,600	10,600	10,300	10,300	10,500	10,700	10,700	10,600
State Education	1,900	1,900	1,900	2,000	1,900	1,900	1,900	1,600	1,600	1,800	2,000	2,000	1,900
Other State Government	8,700	8,700	8,800	8,700	8,600	8,700	8,700	8,700	8,700	8,700	8,700	8,700	8,700
Local Government	76,800	77,000	78,100	78,000	78,500	78,400	76,200	73,300	76,900	76,700	77,100	76,500	77,000
Local Education	49,000	48,900	50,300	50,000	50,400	50,500	48,100	45,600	49,200	49,800	49,900	49,100	49,200
County Government	14,600	14,800	14,800	15,000	15,100	15,000	15,400	15,400	15,400	15,100	15,200	15,400	15,100
City Government	7,300	7,300	7,100	7,100	7,200	7,200	7,300	7,200	7,200	7,000	7,000	7,000	7,200
Other Local Government (16)	5,900	6,000	5,900	5,900	5,800	5,700	5,400	5,100	5,100	4,800	5,000	5,000	5,500

n/a = Data not available.

Footnotes: See last page of this section.

**SAN BERNARDINO COUNTY**

(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)

**Wage and Salary Employment by Industry**

(Data Not Seasonally Adjusted)

2001 Benchmark

Monthly January - December 1998

<b>Industry Title</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>AVG</b>
Total, All Industries (1)	474,800	476,900	481,200	483,400	487,000	489,400	491,100	493,100	497,500	502,300	509,500	513,100	491,800
Total Farm	4,100	4,000	4,200	4,300	4,200	4,100	4,000	3,900	4,000	4,000	4,100	4,300	4,100
Farm Production	3,700	3,600	3,800	3,700	3,700	3,600	3,500	3,400	3,500	3,500	3,600	3,700	3,600
Farm Services	400	400	400	600	500	500	500	500	500	500	500	600	500
Total Nonfarm	470,700	472,900	477,000	479,100	482,800	485,300	487,100	489,200	493,500	498,300	505,400	508,800	487,500
Goods Producing	85,200	84,900	86,600	86,900	88,400	90,100	90,300	92,500	93,300	94,200	95,100	95,000	90,200
Mining (2)	800	800	800	700	700	700	500	500	500	600	600	700	700
Construction	23,600	22,900	23,900	23,800	24,500	25,300	26,000	27,100	27,200	27,900	27,900	27,400	25,600
General Building Contractors (3)	3,500	3,500	3,900	3,800	3,900	4,100	4,400	4,500	4,700	4,900	5,000	4,800	4,300
Heavy Construction	3,300	3,200	3,300	3,300	3,300	3,400	3,300	3,500	3,400	3,700	3,700	3,500	3,400
Special Trade	16,800	16,200	16,700	16,700	17,300	17,800	18,300	19,100	19,100	19,300	19,200	19,100	18,000
Manufacturing (4)	60,800	61,200	61,900	62,400	63,200	64,100	63,800	64,900	65,600	65,700	66,600	66,900	63,900
Durable Goods (4)	41,900	42,300	43,000	43,400	43,800	44,400	44,500	45,500	45,900	46,300	47,000	47,000	44,800
Lumber & Wood Products (4)	3,900	3,900	4,000	3,800	3,800	3,900	3,900	4,000	4,000	3,900	3,900	3,900	3,900
Furniture & Fixtures (5)	5,400	5,500	5,500	5,600	5,700	5,800	5,900	6,100	6,200	6,500	6,600	6,700	6,000
Stone, Clay, & Glass	4,500	4,500	4,600	4,600	4,600	4,500	4,500	4,500	4,600	4,800	4,800	4,800	4,600
Primary Metals (6)	2,900	2,900	2,900	3,000	3,000	3,000	3,000	3,100	3,100	3,200	3,300	3,300	3,100
Fabricated Metal Products (7)	8,200	8,300	8,400	8,400	8,500	8,600	8,700	8,800	8,900	8,800	9,000	9,000	8,600
Industrial Machinery (8)	5,500	5,600	5,600	5,700	5,700	5,700	5,700	5,900	5,900	6,000	5,800	5,800	5,700
Electronic Equipment (9)	3,700	3,700	3,800	3,700	3,800	3,800	3,700	3,700	3,700	3,500	3,500	3,500	3,700
Transportation Equipment (10)	5,500	5,600	5,800	6,000	6,100	6,400	6,400	6,600	6,700	6,900	7,200	7,300	6,400
Aircraft, Missiles & Space Veh. (9)	2,300	2,300	2,300	2,600	2,600	2,700	2,800	2,900	3,000	3,000	3,200	3,300	2,800
Other Transportation Equip. (4)	3,200	3,300	3,500	3,400	3,500	3,700	3,600	3,700	3,700	3,900	4,000	4,000	3,600
Instruments & Related Prods. (4)	1,100	1,100	1,100	1,200	1,200	1,200	1,200	1,200	1,200	1,200	1,300	1,100	1,200
Miscellaneous Manufacturing (11)	1,200	1,200	1,300	1,400	1,400	1,500	1,500	1,600	1,600	1,500	1,600	1,600	1,500
Nondurable Goods (4)	18,900	18,900	18,900	19,000	19,400	19,700	19,300	19,400	19,700	19,400	19,600	19,900	19,300
Food & Kindred Products (10)	3,700	3,700	3,700	3,700	3,800	4,000	3,800	3,900	4,100	3,900	4,000	4,100	3,900
Apparel & Other Textile Prods (6)	1,300	1,300	1,300	1,300	1,400	1,400	1,200	1,300	1,200	1,200	1,200	1,300	1,300
Printing & Publishing (8)	3,400	3,400	3,400	3,400	3,400	3,500	3,500	3,500	3,500	3,600	3,500	3,500	3,500
Chemicals & Allied Products	2,100	2,100	2,100	2,100	2,100	2,100	2,100	2,000	2,100	2,100	2,200	2,200	2,100
Rubber & Misc. Plastics Prods (12)	5,600	5,700	5,700	6,000	6,100	6,200	6,200	6,200	6,300	6,200	6,300	6,300	6,100
Other Nondurable Goods	2,800	2,700	2,700	2,500	2,600	2,500	2,500	2,500	2,500	2,400	2,400	2,500	2,600

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1998**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Service Producing	385,500	388,000	390,400	392,200	394,400	395,200	396,800	396,700	400,200	404,100	410,300	413,800	397,300
Transportation & Public Utilities	31,900	32,400	32,600	32,400	32,600	33,000	33,200	33,500	33,900	33,700	33,800	34,100	33,100
Transportation	24,200	24,500	24,700	24,500	24,700	24,900	25,200	25,400	25,900	25,600	25,700	26,000	25,100
Trucking & Warehousing (13)	12,400	12,600	13,000	12,800	12,900	13,000	12,900	12,900	13,300	13,600	13,500	13,600	13,000
Other Transportation (13)	11,800	11,900	11,700	11,700	11,800	11,900	12,300	12,500	12,600	12,000	12,200	12,400	12,100
Communications & Public Util.	7,700	7,900	7,900	7,900	7,900	8,100	8,000	8,100	8,000	8,100	8,100	8,100	8,000
Communications (2)	3,400	3,500	3,500	3,500	3,600	3,600	3,600	3,600	3,600	3,700	3,700	3,600	3,600
Electric, Gas & Sanitary Serv.	4,300	4,400	4,400	4,400	4,300	4,500	4,400	4,500	4,400	4,400	4,400	4,500	4,400
Trade	122,300	121,400	121,400	122,100	123,600	124,400	124,500	125,000	125,800	125,800	129,300	131,400	124,800
Wholesale Trade	25,800	25,800	25,800	25,800	26,300	26,700	27,500	27,600	27,800	28,000	28,100	28,300	27,000
Wholesale--Durable (14)	16,000	16,000	16,100	16,100	16,400	16,800	17,300	17,400	17,400	17,400	17,600	17,700	16,900
Wholesale--Nondurable	9,800	9,800	9,700	9,700	9,900	9,900	10,200	10,200	10,400	10,600	10,500	10,600	10,100
Retail Trade	96,500	95,600	95,600	96,300	97,300	97,700	97,000	97,400	98,000	97,800	101,200	103,100	97,800
Bldng Materls & Garden Supp.	3,500	3,400	3,300	3,600	3,700	3,700	3,600	3,600	3,600	3,600	3,500	3,500	3,600
General Merchandise	17,100	16,200	16,300	15,700	15,700	15,800	16,000	16,000	16,200	17,000	18,400	19,000	16,600
Food Stores	13,100	13,100	13,100	13,300	13,200	13,100	12,900	12,900	13,100	12,900	13,300	13,500	13,100
Automotive Dealers & Service	11,700	11,800	11,700	11,900	12,000	12,000	12,000	12,200	12,200	11,900	11,900	12,000	11,900
Eating & Drinking Places	31,100	31,400	31,800	32,500	33,000	33,300	32,700	32,800	32,900	32,400	32,800	32,800	32,500
Other Retail Trade (4)	20,000	19,700	19,400	19,300	19,700	19,800	19,800	19,900	20,000	20,000	21,300	22,300	20,100
Finance, Insurance & Real Estate	15,300	15,500	15,800	16,600	16,700	16,800	16,600	16,800	16,800	17,200	17,400	17,200	16,600
Finance	8,000	8,200	8,400	8,500	8,600	8,600	8,500	8,400	8,500	8,700	8,900	8,800	8,500
Other Fin., Ins. & Real Estate	7,300	7,300	7,400	8,100	8,100	8,200	8,100	8,400	8,300	8,500	8,500	8,400	8,100
Services	116,300	119,400	120,600	120,300	120,400	120,300	122,200	123,100	123,600	125,500	126,400	127,200	122,100
Hotels & Other Lodging Places	3,600	3,700	3,700	3,600	3,600	3,600	3,500	3,500	3,300	3,400	3,500	3,500	3,500
Personal Services	4,000	4,100	4,100	3,900	3,400	3,500	3,600	3,600	3,700	3,700	3,700	3,900	3,800
Business Services	23,500	24,200	25,100	25,800	26,700	27,300	28,900	29,400	29,400	30,000	29,800	29,900	27,500
Amusement, Including Movies (14)	6,900	7,800	7,700	6,500	5,900	6,100	5,900	5,900	5,700	5,700	6,500	6,900	6,500
Health Services	38,400	38,500	38,400	38,200	38,300	37,900	38,500	38,800	38,600	38,700	38,700	38,600	38,500
Private Educational Services	6,100	6,700	7,000	7,000	7,000	6,100	5,800	5,800	6,000	6,800	6,800	6,800	6,500
Engineering & Management (15)	5,500	5,700	5,700	5,800	5,800	6,100	6,000	6,100	6,100	6,200	6,300	6,300	6,000
Other Services	28,300	28,700	28,900	29,500	29,700	29,700	30,000	30,000	30,800	31,000	31,100	31,300	29,900

**SAN BERNARDINO COUNTY**

(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)

**Wage and Salary Employment by Industry**

(Data Not Seasonally Adjusted)

2001 Benchmark

Monthly January - December 1998

<b>Industry Title</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>Avg</b>
Government	99,700	99,300	100,000	100,800	101,100	100,700	100,300	98,300	100,100	101,900	103,400	103,900	100,800
Federal Government	11,100	11,000	11,000	10,800	10,800	10,900	11,100	11,100	11,100	11,200	11,300	11,400	11,100
Department of Defense	4,000	4,000	4,000	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,800	3,800	3,900
Other Federal Government	7,100	7,000	7,000	6,900	6,900	7,000	7,200	7,200	7,200	7,300	7,500	7,600	7,200
State & Local Government	88,600	88,300	89,000	90,000	90,300	89,800	89,200	87,200	89,000	90,700	92,100	92,500	89,700
State Government	10,700	10,700	10,900	10,900	10,900	11,000	10,700	10,600	10,500	11,000	11,200	11,200	10,900
State Education	2,000	2,000	2,100	2,100	2,000	2,100	1,700	1,700	1,500	2,000	2,200	2,200	2,000
Other State Government	8,700	8,700	8,800	8,800	8,900	8,900	9,000	8,900	9,000	9,000	9,000	9,000	8,900
Local Government	77,900	77,600	78,100	79,100	79,400	78,800	78,500	76,600	78,500	79,700	80,900	81,300	78,900
Local Education	50,800	50,300	51,100	51,700	51,700	50,700	49,700	47,700	49,700	51,400	52,400	52,700	50,800
County Government	14,900	15,000	14,700	15,200	15,600	15,900	16,000	16,200	16,100	16,100	16,200	16,400	15,700
City Government	7,000	7,100	7,000	7,100	7,000	7,100	7,500	7,400	7,500	7,300	7,300	7,200	7,200
Other Local Government (16)	5,200	5,200	5,300	5,100	5,100	5,100	5,300	5,300	5,200	4,900	5,000	5,000	5,100

n/a = Data not available.

Footnotes: See last page of this section.

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1999**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Total, All Industries (1)	501,800	505,500	508,800	508,500	511,900	515,400	521,600	520,800	525,700	529,100	533,900	540,600	518,600
Total Farm	4,200	4,100	4,200	3,900	3,900	3,800	4,000	4,000	4,200	4,000	4,100	4,300	4,100
Farm Production	3,700	3,600	3,700	3,600	3,600	3,500	3,600	3,600	3,800	3,600	3,600	3,800	3,600
Farm Services	500	500	500	300	300	300	400	400	400	400	500	500	400
Total Nonfarm	497,600	501,400	504,600	504,600	508,000	511,600	517,600	516,800	521,500	525,100	529,800	536,300	514,600
Goods Producing	93,800	94,300	93,800	94,300	95,100	95,600	98,600	99,700	100,100	100,500	100,000	100,600	97,200
Mining (2)	600	600	600	600	600	500	600	600	600	600	600	600	600
Construction	26,700	26,800	25,900	26,800	27,300	27,900	30,200	31,100	31,200	31,100	30,800	30,900	28,900
General Building Contractors (3)	4,700	4,700	4,700	5,100	5,400	5,500	5,800	5,800	5,700	5,800	5,800	5,800	5,400
Heavy Construction	3,500	3,500	3,400	3,600	3,700	3,700	3,700	3,700	3,800	3,700	3,700	3,700	3,600
Special Trade	18,500	18,600	17,800	18,100	18,200	18,700	20,700	21,600	21,700	21,600	21,300	21,400	19,900
Manufacturing (4)	66,500	66,900	67,300	66,900	67,200	67,200	67,800	68,000	68,300	68,800	68,600	69,100	67,700
Durable Goods (4)	45,900	46,300	46,800	46,800	47,100	47,000	47,000	46,900	47,200	47,400	47,400	47,900	47,000
Lumber & Wood Products (4)	3,900	3,900	3,900	3,900	4,000	4,000	4,100	4,100	4,200	4,200	4,200	4,300	4,100
Furniture & Fixtures (5)	6,200	6,200	6,400	6,300	6,500	6,400	6,200	6,300	6,200	6,400	6,400	6,300	6,300
Stone, Clay, & Glass	4,800	4,900	5,000	5,100	5,100	5,000	5,100	5,000	5,000	5,000	5,000	4,900	5,000
Primary Metals (6)	3,200	3,300	3,300	3,400	3,300	3,300	3,300	3,200	3,300	3,100	3,100	3,300	3,300
Fabricated Metal Products (7)	8,900	8,900	9,000	8,900	8,900	9,000	9,200	9,100	9,100	9,300	9,300	9,400	9,100
Industrial Machinery (8)	5,700	5,700	5,700	5,500	5,500	5,600	5,600	5,700	5,700	5,800	5,600	5,500	5,600
Electronic Equipment (9)	3,300	3,500	3,400	3,400	3,400	3,400	3,300	3,300	3,300	3,400	3,600	3,700	3,400
Transportation Equipment (10)	7,100	7,000	7,200	7,300	7,400	7,300	7,200	7,300	7,400	7,300	7,300	7,500	7,300
Aircraft, Missiles & Space Veh. (9)	3,200	3,100	3,200	3,100	3,100	3,000	2,900	2,900	2,900	2,900	2,800	2,900	3,000
Other Transportation Equip. (4)	3,900	3,900	4,000	4,200	4,300	4,300	4,300	4,400	4,500	4,400	4,500	4,600	4,300
Instruments & Related Prods. (4)	1,100	1,200	1,200	1,300	1,300	1,300	1,400	1,200	1,300	1,300	1,300	1,400	1,300
Miscellaneous Manufacturing (11)	1,700	1,700	1,700	1,700	1,700	1,700	1,600	1,700	1,700	1,600	1,600	1,600	1,700
Nondurable Goods (4)	20,600	20,600	20,500	20,100	20,100	20,200	20,800	21,100	21,100	21,400	21,200	21,200	20,700
Food & Kindred Products (10)	4,000	3,800	3,800	3,900	3,900	4,000	4,100	4,200	4,200	4,300	4,200	4,300	4,100
Apparel & Other Textile Prods (6)	1,200	1,300	1,300	1,200	1,300	1,200	1,300	1,300	1,300	1,300	1,300	1,200	1,300
Printing & Publishing (8)	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,600	3,500	3,400	3,400	3,400	3,500
Chemicals & Allied Products	2,100	2,200	2,100	2,100	2,100	2,100	2,200	2,200	2,200	2,300	2,300	2,300	2,200
Rubber & Misc. Plastics Prods (12)	7,300	7,300	7,300	6,700	6,600	6,700	6,900	7,000	7,000	7,200	7,100	7,100	7,000
Other Nondurable Goods	2,500	2,500	2,500	2,700	2,700	2,700	2,800	2,800	2,900	2,900	2,900	2,900	2,700

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1999**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Service Producing	403,800	407,100	410,800	410,300	412,900	416,000	419,000	417,100	421,400	424,600	429,800	435,700	417,400
Transportation & Public Utilities	33,400	33,700	33,800	34,200	34,500	35,100	35,400	35,700	35,900	37,000	37,400	37,400	35,300
Transportation	25,200	25,500	25,600	26,200	26,500	27,000	27,500	27,700	28,000	29,300	29,500	29,500	27,300
Trucking & Warehousing (13)	13,000	13,200	13,400	13,600	13,900	14,300	14,800	15,000	15,100	15,100	15,400	15,400	14,400
Other Transportation (13)	12,200	12,300	12,200	12,600	12,600	12,700	12,700	12,700	12,900	14,200	14,100	14,100	12,900
Communications & Public Util.	8,200	8,200	8,200	8,000	8,000	8,100	7,900	8,000	7,900	7,700	7,900	7,900	8,000
Communications (2)	3,700	3,700	3,700	3,600	3,600	3,600	3,500	3,500	3,400	3,300	3,400	3,400	3,500
Electric, Gas & Sanitary Serv.	4,500	4,500	4,500	4,400	4,400	4,500	4,400	4,500	4,500	4,400	4,500	4,500	4,500
Trade	125,000	124,500	124,800	125,400	126,700	127,500	129,100	129,600	129,900	131,200	134,100	136,400	128,700
Wholesale Trade	27,200	27,300	27,300	28,200	28,300	28,500	29,100	29,100	28,800	29,200	29,300	29,200	28,500
Wholesale--Durable (14)	17,100	17,100	17,100	18,100	18,200	18,300	18,900	18,900	18,500	19,100	19,300	19,400	18,300
Wholesale--Nondurable	10,100	10,200	10,200	10,100	10,100	10,200	10,200	10,200	10,300	10,100	10,000	9,800	10,100
Retail Trade	97,800	97,200	97,500	97,200	98,400	99,000	100,000	100,500	101,100	102,000	104,800	107,200	100,200
Bldng Materls & Garden Supp.	3,800	3,900	3,900	3,600	3,700	3,900	4,100	4,000	4,000	4,000	3,900	3,900	3,900
General Merchandise	16,200	15,700	15,400	15,400	15,700	15,700	15,900	16,000	16,000	16,500	17,800	18,400	16,200
Food Stores	13,100	13,100	13,200	13,100	13,300	13,200	13,200	13,400	13,900	13,800	13,900	14,200	13,500
Automotive Dealers & Service	12,100	12,300	12,500	12,500	12,600	12,600	12,500	12,700	12,800	12,800	12,800	12,800	12,600
Eating & Drinking Places	32,200	32,200	32,600	32,700	33,000	33,200	33,600	33,400	33,300	33,400	33,700	34,100	33,100
Other Retail Trade (4)	20,400	20,000	19,900	19,900	20,100	20,400	20,700	21,000	21,100	21,500	22,700	23,800	21,000
Finance, Insurance & Real Estate	17,100	17,000	17,100	16,700	17,100	17,000	17,100	17,000	16,900	17,000	17,000	16,900	17,000
Finance	8,700	8,700	8,700	8,600	8,700	8,600	8,600	8,500	8,400	8,600	8,700	8,700	8,600
Other Fin., Ins. & Real Estate	8,400	8,300	8,400	8,100	8,400	8,400	8,500	8,500	8,500	8,400	8,300	8,200	8,400
Services	124,800	127,500	128,600	128,600	129,100	130,100	133,100	133,500	135,300	135,000	134,500	137,700	131,500
Hotels & Other Lodging Places	3,400	3,500	3,500	3,300	3,400	3,500	3,500	3,500	3,400	3,600	3,600	3,700	3,500
Personal Services	4,100	4,200	4,100	4,200	3,700	3,600	3,800	3,900	3,900	3,900	3,900	4,100	4,000
Business Services	30,200	30,700	31,400	30,500	31,200	32,300	33,900	34,400	35,100	34,500	34,800	35,700	32,900
Amusement, Including Movies (14)	6,400	6,600	6,600	7,300	6,600	6,900	7,100	7,000	6,600	6,500	6,200	7,600	6,800
Health Services	37,700	38,500	38,400	38,700	39,200	39,400	39,600	39,600	39,900	40,900	40,400	40,800	39,400
Private Educational Services	6,400	6,700	6,900	6,800	6,800	6,200	6,000	6,000	6,600	7,200	7,200	7,100	6,700
Engineering & Management (15)	6,300	6,400	6,400	6,700	6,700	6,800	7,100	7,100	7,200	7,100	7,200	7,300	8,900
Other Services	30,300	30,900	31,300	31,100	31,500	31,400	32,100	32,000	32,600	31,300	31,200	31,400	31,400

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 1999**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Government	103,500	104,400	106,500	105,400	105,500	106,300	104,300	101,300	103,400	104,400	106,800	107,300	104,900
Federal Government	11,100	11,200	11,400	11,000	11,000	11,000	11,000	11,000	11,100	10,900	10,900	11,300	11,100
Department of Defense	3,800	3,800	3,700	3,700	3,700	3,700	3,600	3,600	3,500	3,500	3,500	3,500	3,600
Other Federal Government	7,300	7,400	7,700	7,300	7,300	7,300	7,400	7,400	7,600	7,400	7,400	7,800	7,400
State & Local Government	92,400	93,200	95,100	94,400	94,500	95,300	93,300	90,300	92,300	93,500	95,900	96,000	93,900
State Government	11,000	11,200	11,400	11,300	11,500	11,600	11,200	11,100	11,000	11,500	11,600	11,700	11,300
State Education	2,000	2,200	2,300	2,200	2,300	2,300	2,000	1,900	1,800	2,200	2,300	2,400	2,200
Other State Government	9,000	9,000	9,100	9,100	9,200	9,300	9,200	9,200	9,200	9,300	9,300	9,300	9,200
Local Government	81,400	82,000	83,700	83,100	83,000	83,700	82,100	79,200	81,300	82,000	84,300	84,300	82,500
Local Education	53,200	53,500	54,600	54,200	54,100	54,600	53,500	50,400	52,400	53,500	55,400	55,500	53,700
County Government	15,900	16,300	16,800	16,500	16,400	16,400	15,700	15,800	16,100	15,700	15,600	15,500	16,100
City Government	7,300	7,200	7,300	7,300	7,400	7,600	7,700	7,700	7,500	7,500	7,700	7,500	7,500
Other Local Government (16)	5,000	5,000	5,000	5,100	5,100	5,100	5,200	5,300	5,300	5,300	5,600	5,800	5,200

n/a = Data not available.

Footnotes: See last page of this section.

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 2000**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Total, All Industries (1)	532,100	532,000	535,700	538,700	544,700	546,700	543,700	541,600	546,200	547,700	555,100	558,900	543,600
Total Farm	3,900	3,900	3,900	4,100	4,200	4,100	4,200	4,000	4,100	4,300	4,600	4,500	4,200
Farm Production	3,400	3,400	3,400	3,600	3,700	3,600	3,600	3,500	3,400	3,600	3,700	3,700	3,600
Farm Services	500	500	500	500	500	500	600	500	700	700	900	800	600
Total Nonfarm	528,200	528,100	531,800	534,600	540,500	542,600	539,500	537,600	542,100	543,400	550,500	554,400	539,400
Goods Producing	99,900	100,900	100,900	102,900	103,700	105,500	103,600	105,100	105,000	105,800	105,800	105,900	103,800
Mining (2)	600	600	600	600	600	600	700	700	700	700	700	800	700
Construction	30,100	30,400	30,700	31,400	31,900	32,800	31,700	32,700	32,600	33,000	33,000	32,600	31,900
General Building Contractors (3)	5,500	5,700	5,500	5,600	5,400	5,700	5,700	5,800	5,600	5,500	5,400	5,200	5,600
Heavy Construction	3,600	3,600	3,700	3,700	3,800	4,100	3,700	3,900	3,900	3,900	3,900	3,900	3,800
Special Trade	21,000	21,100	21,500	22,100	22,700	23,000	22,300	23,000	23,100	23,600	23,700	23,500	22,600
Manufacturing (4)	69,200	69,900	69,600	70,900	71,200	72,100	71,200	71,700	71,700	72,100	72,100	72,500	71,200
Durable Goods (4)	48,400	48,900	48,700	49,100	49,200	50,000	49,000	49,300	49,200	49,900	49,900	50,400	49,300
Lumber & Wood Products (4)	4,300	4,300	4,200	4,300	4,400	4,400	4,400	4,400	4,500	4,500	4,500	4,600	4,400
Furniture & Fixtures (5)	7,100	7,200	7,200	7,200	7,100	7,200	6,900	7,200	7,100	7,000	6,900	7,000	7,100
Stone, Clay, & Glass	5,100	5,200	5,300	5,500	5,400	5,600	5,600	5,600	5,600	5,700	5,700	5,800	5,500
Primary Metals (6)	3,500	3,500	3,500	3,500	3,600	3,600	3,500	3,500	3,500	3,500	3,600	3,600	3,500
Fabricated Metal Products (7)	9,200	9,200	9,200	9,300	9,500	9,700	9,600	9,500	9,400	10,100	10,000	10,000	9,600
Industrial Machinery (8)	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,600	5,700	5,600	5,600	5,700	5,600
Electronic Equipment (9)	3,500	3,600	3,600	3,800	3,800	3,800	3,900	3,900	3,900	3,900	4,000	4,000	3,800
Transportation Equipment (10)	7,100	7,200	7,000	6,700	6,600	6,800	6,200	6,300	6,300	6,300	6,300	6,400	6,600
Aircraft, Missiles & Space Veh. (9)	2,800	2,800	2,600	2,400	2,300	2,300	1,700	1,700	1,700	1,700	1,700	1,700	2,100
Other Transportation Equip. (4)	4,300	4,400	4,400	4,300	4,300	4,500	4,500	4,600	4,600	4,600	4,600	4,700	4,500
Instruments & Related Prods. (4)	1,400	1,400	1,400	1,500	1,400	1,500	1,500	1,600	1,500	1,500	1,500	1,600	1,500
Miscellaneous Manufacturing (11)	1,600	1,700	1,700	1,700	1,800	1,800	1,800	1,700	1,700	1,800	1,800	1,700	1,700
Nondurable Goods (4)	20,800	21,000	20,900	21,800	22,000	22,100	22,200	22,400	22,500	22,200	22,200	22,100	21,900
Food & Kindred Products (10)	3,800	3,800	3,600	4,100	4,100	4,100	4,000	3,900	3,900	4,300	4,300	4,200	4,000
Apparel & Other Textile Prods (6)	1,400	1,400	1,400	1,300	1,300	1,500	1,400	1,400	1,400	1,400	1,400	1,400	1,400
Printing & Publishing (8)	3,200	3,300	3,400	3,700	3,800	3,700	3,900	3,900	3,900	3,600	3,600	3,500	3,600
Chemicals & Allied Products	2,400	2,300	2,300	2,300	2,300	2,300	2,400	2,400	2,500	2,500	2,500	2,600	2,400
Rubber & Misc. Plastics Prods (12)	7,200	7,300	7,400	7,600	7,700	7,700	7,700	7,900	7,900	7,600	7,600	7,600	7,600
Other Nondurable Goods	2,800	2,900	2,800	2,800	2,800	2,800	2,800	2,900	2,900	2,800	2,800	2,800	2,800

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 2000**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Service Producing	428,300	427,200	430,900	431,700	436,800	437,100	435,900	432,500	437,100	437,600	444,700	448,500	435,700
Transportation & Public Utilities	37,000	36,900	37,200	36,000	36,600	36,400	37,100	36,900	37,100	35,600	36,000	36,000	36,600
Transportation	28,900	28,900	29,200	28,000	28,500	28,500	29,000	28,800	29,200	27,600	27,900	27,900	28,500
Trucking & Warehousing (13)	15,500	15,500	15,600	15,000	15,400	15,400	16,100	16,100	16,200	15,500	15,500	15,500	15,600
Other Transportation (13)	13,400	13,400	13,600	13,000	13,100	13,100	12,900	12,700	13,000	12,100	12,400	12,400	12,900
Communications & Public Util.	8,100	8,000	8,000	8,000	8,100	7,900	8,100	8,100	7,900	8,000	8,100	8,100	8,000
Communications (2)	3,400	3,400	3,400	3,200	3,300	3,200	3,300	3,300	3,200	3,200	3,300	3,300	3,300
Electric, Gas & Sanitary Serv.	4,700	4,600	4,600	4,800	4,800	4,700	4,800	4,800	4,700	4,800	4,800	4,800	4,700
Trade	131,900	131,600	132,200	133,600	135,100	136,600	137,700	138,300	139,200	140,000	143,300	145,200	137,100
Wholesale Trade	29,400	29,600	29,500	30,300	30,800	31,400	31,700	31,700	32,100	32,000	32,000	32,200	31,100
Wholesale--Durable (14)	19,300	19,500	19,400	19,700	20,000	20,400	20,500	20,700	20,900	20,900	21,000	21,200	20,300
Wholesale--Nondurable	10,100	10,100	10,100	10,600	10,800	11,000	11,200	11,000	11,200	11,100	11,000	11,000	10,800
Retail Trade	102,500	102,000	102,700	103,300	104,300	105,200	106,000	106,600	107,100	108,000	111,300	113,000	106,000
Bldng Materls & Garden Supp.	4,100	4,200	4,300	4,300	4,400	4,500	4,400	4,400	4,400	4,200	4,200	4,200	4,300
General Merchandise	15,800	15,300	15,200	15,400	15,400	15,400	15,800	15,900	16,100	16,900	19,100	19,400	16,300
Food Stores	13,700	13,700	13,700	13,600	14,000	14,000	13,900	14,000	14,300	14,800	14,800	15,100	14,100
Automotive Dealers & Service	12,700	12,800	12,900	13,000	13,000	13,100	13,100	13,200	13,200	13,100	13,100	13,200	13,000
Eating & Drinking Places	34,400	34,700	35,100	35,200	35,700	36,200	36,800	37,000	37,000	36,800	36,800	37,000	36,100
Other Retail Trade (4)	21,800	21,300	21,500	21,800	21,800	22,000	22,000	22,100	22,100	22,200	23,300	24,100	22,200
Finance, Insurance & Real Estate	17,100	17,100	17,200	17,500	17,200	17,100	16,600	16,600	16,600	16,600	16,700	16,700	16,900
Finance	8,700	8,700	8,700	9,000	8,900	8,900	8,500	8,500	8,500	8,600	8,700	8,600	8,700
Other Fin., Ins. & Real Estate	8,400	8,400	8,500	8,500	8,300	8,200	8,100	8,100	8,100	8,000	8,000	8,100	8,200
Services	135,300	135,500	136,000	135,900	136,500	138,000	136,300	137,600	138,000	137,600	138,800	139,700	137,100
Hotels & Other Lodging Places	3,700	3,800	3,800	3,700	3,700	3,800	3,700	3,800	3,600	3,500	3,500	3,600	3,700
Personal Services	4,100	4,300	4,300	4,400	3,900	3,900	3,700	3,800	3,900	3,900	4,100	4,200	4,000
Business Services	34,600	34,100	34,200	35,500	35,500	36,500	35,900	36,400	36,200	36,400	36,700	36,100	35,700
Amusement, Including Movies (14)	8,400	8,200	8,300	6,700	6,900	7,000	6,600	6,800	6,700	6,300	7,100	7,800	7,200
Health Services	40,000	39,700	39,700	40,000	40,300	40,600	40,400	40,600	40,900	40,700	40,700	40,900	40,400
Private Educational Services	6,700	7,000	7,200	7,100	7,100	6,500	6,100	6,100	6,900	7,500	7,600	7,600	7,000
Engineering & Management (15)	7,200	7,400	7,400	7,600	7,600	7,600	7,300	7,300	7,200	7,200	7,200	7,200	7,400
Other Services	30,600	31,000	31,100	30,900	31,500	32,100	32,600	32,800	32,600	32,100	31,900	32,300	31,800

**SAN BERNARDINO COUNTY**  
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**Monthly January - December 2000**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Government	107,000	106,100	108,300	108,700	111,400	109,000	108,200	103,100	106,200	107,800	109,900	110,900	108,100
Federal Government	10,900	11,000	11,700	11,800	13,700	11,400	11,500	11,000	10,900	10,900	10,800	11,200	11,400
Department of Defense	3,500	3,500	3,500	3,500	3,500	3,500	3,500	3,400	3,400	3,400	3,300	3,300	3,400
Other Federal Government	7,400	7,500	8,200	8,300	10,200	7,900	8,000	7,600	7,500	7,500	7,500	7,900	8,000
State & Local Government	96,100	95,100	96,600	96,900	97,700	97,600	96,700	92,100	95,300	96,900	99,100	99,700	96,700
State Government	11,500	11,700	11,700	11,700	11,900	11,900	11,700	11,500	11,600	12,000	12,200	12,300	11,800
State Education	2,200	2,400	2,400	2,400	2,500	2,500	2,200	2,000	2,000	2,400	2,600	2,600	2,400
Other State Government	9,300	9,300	9,300	9,300	9,400	9,400	9,500	9,500	9,600	9,600	9,600	9,700	9,500
Local Government	84,600	83,400	84,900	85,200	85,800	85,700	85,000	80,600	83,700	84,900	86,900	87,400	84,800
Local Education	56,000	55,100	56,300	56,600	56,900	57,100	56,100	51,400	54,500	55,800	57,100	57,200	55,800
County Government	15,400	15,400	15,500	15,600	15,800	15,400	15,600	15,600	15,800	15,900	16,500	16,900	15,800
City Government	7,600	7,400	7,600	7,500	7,500	7,600	7,700	7,900	7,800	7,600	7,600	7,600	7,600
Other Local Government (16)	5,600	5,500	5,500	5,500	5,600	5,600	5,600	5,700	5,600	5,600	5,700	5,700	5,600

n/a = Data not available.

Footnotes: See last page of this section.

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
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**2001 Benchmark**  
**Monthly January - December 2001**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Total, All Industries (1)	552,300	551,700	547,500	557,100	559,000	561,500	561,000	558,400	561,200	565,700	572,500	576,400	560,400
Total Farm	4,100	4,200	4,400	4,300	4,400	4,400	2,900	2,700	2,900	3,000	3,000	3,300	3,600
Farm Production	3,300	3,400	3,600	3,600	3,600	3,700	2,500	2,400	2,600	2,700	2,700	2,900	3,100
Farm Services	800	800	800	700	800	700	400	300	300	300	300	400	600
Total Nonfarm	548,200	547,500	543,100	552,800	554,600	557,100	558,100	555,700	558,300	562,700	569,500	573,100	556,700
Goods Producing	104,500	104,500	105,200	104,800	105,500	106,100	106,600	107,200	107,200	106,900	106,100	106,300	105,900
Mining (2)	700	700	700	700	700	700	700	700	700	700	700	700	700
Construction	31,500	31,500	32,400	33,200	34,000	34,500	34,800	35,300	35,400	35,500	35,000	35,100	34,000
General Building Contractors (3)	5,300	5,300	5,500	5,700	5,900	6,000	6,200	6,300	6,200	6,200	6,000	6,000	5,900
Heavy Construction	3,700	3,600	3,700	3,900	4,100	4,100	4,000	4,100	4,200	4,200	4,100	4,100	4,000
Special Trade	22,500	22,600	23,200	23,600	24,000	24,400	24,600	24,900	25,000	25,100	24,900	25,000	24,200
Manufacturing (4)	72,300	72,300	72,100	70,900	70,800	70,900	71,100	71,200	71,100	70,700	70,400	70,500	71,200
Durable Goods (4)	50,200	50,300	50,300	49,300	49,300	49,100	49,200	49,300	48,900	48,900	48,600	48,700	49,300
Lumber & Wood Products (4)	4,800	4,900	4,900	4,500	4,500	4,600	4,700	4,700	4,600	4,600	4,600	4,600	4,700
Furniture & Fixtures (5)	7,000	6,900	6,800	6,800	6,700	6,600	6,500	6,600	6,600	6,600	6,500	6,600	6,700
Stone, Clay, & Glass	5,800	5,800	5,900	5,900	5,900	5,900	5,900	5,900	5,800	5,800	5,800	5,800	5,900
Primary Metals (6)	3,500	3,500	3,500	3,500	3,500	3,400	3,400	3,400	3,400	3,500	3,500	3,500	3,500
Fabricated Metal Products (7)	9,900	10,000	10,000	9,800	9,800	9,900	9,900	9,900	9,800	9,800	9,800	9,800	9,900
Industrial Machinery (8)	5,600	5,600	5,600	5,600	5,600	5,500	5,500	5,500	5,500	5,500	5,400	5,400	5,500
Electronic Equipment (9)	4,000	4,000	4,000	3,800	3,800	3,700	3,700	3,700	3,600	3,600	3,600	3,500	3,800
Transportation Equipment (10)	6,400	6,300	6,300	6,100	6,300	6,200	6,300	6,300	6,300	6,300	6,200	6,300	6,300
Aircraft, Missiles & Space Veh. (9)	1,800	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700	1,700
Other Transportation Equip. (4)	4,600	4,600	4,600	4,400	4,600	4,500	4,600	4,600	4,600	4,600	4,500	4,600	4,600
Instruments & Related Prods. (4)	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Miscellaneous Manufacturing (11)	1,700	1,800	1,800	1,800	1,700	1,800	1,800	1,800	1,800	1,700	1,700	1,700	1,800
Nondurable Goods (4)	22,100	22,000	21,800	21,600	21,500	21,800	21,900	21,900	22,200	21,800	21,800	21,800	21,900
Food & Kindred Products (10)	4,200	4,200	4,200	4,300	4,300	4,300	4,400	4,400	4,500	4,500	4,500	4,500	4,400
Apparel & Other Textile Prods (6)	1,400	1,300	1,300	1,400	1,400	1,500	1,500	1,500	1,500	1,400	1,400	1,500	1,400
Printing & Publishing (8)	3,900	3,900	3,700	3,600	3,600	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,700
Chemicals & Allied Products	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,500	2,400	2,400	2,400	2,500
Rubber & Misc. Plastics Prods (12)	7,300	7,400	7,400	7,200	7,100	7,200	7,200	7,200	7,300	7,100	7,100	7,100	7,200
Other Nondurable Goods	2,800	2,700	2,700	2,600	2,600	2,600	2,600	2,600	2,700	2,700	2,700	2,600	2,700

**SAN BERNARDINO COUNTY**

(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)

**Wage and Salary Employment by Industry**

(Data Not Seasonally Adjusted)

2001 Benchmark

Monthly January - December 2001

<b>Industry Title</b>	<b>JAN</b>	<b>FEB</b>	<b>MAR</b>	<b>APR</b>	<b>MAY</b>	<b>JUN</b>	<b>JUL</b>	<b>AUG</b>	<b>SEP</b>	<b>OCT</b>	<b>NOV</b>	<b>DEC</b>	<b>AVG</b>
Service Producing	443,700	443,000	437,900	448,000	449,100	451,000	451,500	448,500	451,100	455,800	463,400	466,800	450,800
Transportation & Public Utilities	37,100	36,000	35,800	37,100	37,100	37,200	37,300	37,400	37,500	37,900	38,200	38,100	37,200
Transportation	28,300	27,400	27,200	28,200	28,200	28,300	28,400	28,400	28,500	28,900	29,200	29,200	28,400
Trucking & Warehousing (13)	15,900	15,600	15,600	15,400	15,400	15,600	15,600	15,600	15,600	15,700	15,700	15,700	15,600
Other Transportation (13)	12,400	11,800	11,600	12,800	12,800	12,700	12,800	12,800	12,900	13,200	13,500	13,500	12,700
Communications & Public Util.	8,800	8,600	8,600	8,900	8,900	8,900	8,900	9,000	9,000	9,000	9,000	8,900	8,900
Communications (2)	3,900	3,800	3,800	4,000	4,000	4,000	4,000	4,000	4,000	4,000	4,000	3,900	4,000
Electric, Gas & Sanitary Serv.	4,900	4,800	4,800	4,900	4,900	4,900	4,900	5,000	5,000	5,000	5,000	5,000	4,900
Trade	139,100	138,300	139,500	139,700	139,800	140,000	139,800	140,100	140,300	140,800	143,700	145,200	140,500
Wholesale Trade	31,100	31,300	32,000	31,500	31,500	31,700	31,800	32,000	32,000	31,900	31,900	31,900	31,700
Wholesale--Durable (14)	21,000	21,000	21,700	21,000	21,000	21,100	21,200	21,300	21,300	21,200	21,200	21,200	21,200
Wholesale--Nondurable	10,100	10,300	10,300	10,500	10,500	10,600	10,600	10,700	10,700	10,700	10,700	10,700	10,500
Retail Trade	108,000	107,000	107,500	108,200	108,300	108,300	108,000	108,100	108,300	108,900	111,800	113,300	108,800
Bldng Materls & Garden Supp.	4,500	4,400	4,400	4,700	4,900	4,900	4,900	4,900	4,900	4,800	4,700	4,700	4,700
General Merchandise	17,200	16,600	16,500	16,200	16,200	16,500	16,400	16,600	16,600	16,900	18,300	18,700	16,900
Food Stores	14,600	14,400	14,400	14,400	14,300	14,300	14,400	14,200	14,400	14,600	14,800	14,900	14,500
Automotive Dealers & Service	13,000	13,100	13,300	13,300	13,200	13,400	13,400	13,500	13,500	13,500	13,500	13,500	13,400
Eating & Drinking Places	36,600	36,900	37,500	38,100	38,200	37,900	37,800	37,700	37,700	37,800	38,200	38,300	37,700
Other Retail Trade (4)	22,100	21,600	21,400	21,500	21,500	21,300	21,100	21,200	21,200	21,300	22,300	23,200	21,600
Finance, Insurance & Real Estate	17,100	17,300	17,500	17,900	18,000	18,100	18,100	18,200	18,100	18,100	18,300	18,300	17,900
Finance	8,800	8,900	9,000	9,100	9,200	9,300	9,300	9,400	9,400	9,400	9,500	9,500	9,200
Other Fin., Ins. & Real Estate	8,300	8,400	8,500	8,800	8,800	8,800	8,800	8,800	8,700	8,700	8,800	8,800	8,700
Services	140,500	141,800	142,800	143,200	143,900	144,800	145,200	145,400	146,000	147,200	148,000	149,000	144,800
Hotels & Other Lodging Places	3,600	3,600	3,700	3,700	3,700	3,700	3,700	3,700	3,700	3,800	3,800	3,900	3,700
Personal Services	4,300	4,600	4,700	4,600	4,200	4,000	4,000	4,000	4,000	4,000	4,000	4,100	4,200
Business Services	35,500	35,800	35,900	36,000	36,300	37,600	37,800	38,000	38,100	38,200	38,300	38,400	37,200
Amusement, Including Movies (14)	8,500	8,700	8,600	8,300	8,000	8,400	8,300	8,200	8,200	8,300	8,800	9,100	8,500
Health Services	41,900	42,000	42,200	41,900	42,100	42,200	42,300	42,400	42,400	42,500	42,600	42,800	42,300
Private Educational Services	7,000	7,300	7,600	7,500	7,600	6,900	6,700	6,700	7,100	7,700	7,800	7,800	7,300
Engineering & Management (15)	7,400	7,400	7,400	7,700	7,900	7,900	8,000	8,000	8,000	8,000	8,100	8,100	7,800
Other Services	32,300	32,400	32,700	33,500	34,100	34,100	34,400	34,400	34,500	34,700	34,600	34,800	33,900

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Monthly January - December 2001**

Industry Title	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	Avg
Government	109,900	109,600	102,300	110,100	110,300	110,900	111,100	107,400	109,200	111,800	115,200	116,200	110,300
Federal Government	10,700	10,600	10,600	10,700	10,700	10,600	10,800	10,800	10,900	10,800	10,700	10,900	10,700
Department of Defense	3,300	3,200	3,200	3,200	3,200	3,100	3,200	3,200	3,100	3,100	3,000	3,000	3,200
Other Federal Government	7,400	7,400	7,400	7,500	7,500	7,500	7,600	7,600	7,800	7,700	7,700	7,900	7,600
State & Local Government	99,200	99,000	91,700	99,400	99,600	100,300	100,300	96,600	98,300	101,000	104,500	105,300	99,600
State Government	12,300	12,400	3,700	12,400	12,600	12,600	12,500	12,200	12,200	12,500	12,700	12,700	11,700
State Education	2,500	2,600	2,700	2,600	2,700	2,700	2,500	2,200	2,100	2,500	2,700	2,700	2,500
Other State Government	9,800	9,800	1,000	9,800	9,900	9,900	10,000	10,000	10,100	10,000	10,000	10,000	9,200
Local Government	86,900	86,600	88,000	87,000	87,000	87,700	87,800	84,400	86,100	88,500	91,800	92,600	87,900
Local Education	57,600	57,100	58,400	57,200	57,800	58,100	57,300	54,300	57,000	59,300	62,300	63,000	58,300
County Government	16,100	16,200	16,300	16,300	15,700	15,700	16,500	16,000	15,300	15,500	15,600	15,700	15,900
City Government	7,800	7,700	7,700	7,800	7,800	8,100	8,200	8,300	8,000	7,900	8,000	8,100	8,000
Other Local Government (16)	5,400	5,600	5,600	5,700	5,700	5,800	5,800	5,800	5,800	5,800	5,900	5,800	5,700

n/a = Data not available.

Footnotes: See last page of this section.

## SAN BERNARDINO COUNTY

(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)  
Wage and Salary Employment by Industry  
(Data Not Seasonally Adjusted)  
2001 Benchmark  
Footnotes

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- Note:
- a) In 1988, there were changes in the Standard Industrial Classification (SIC). Data prior to 1988 may not be comparable.
  - b) 1992-2001 industry data may not be comparable to previously published data because of changes in SIC cell structures.

- 1) Source: Current Employment Statistics  
Employment data reflect jobs by place of work; does not include self-employed, unpaid family members, domestics, volunteers, or persons involved in trade disputes. Annual average detail may not add to totals due to independent rounding. Agricultural data exclude farmers, unpaid family workers. Also excluded are veterinary, other animal, landscape and horticultural services (SIC 074,075,078). Construction data include employees of construction contractors and operative builders. Government data include all civilian employees of federal, state and local government regardless of the activity in which the employee is engaged.
- 2) Break in series 2001: Data are comparable from 2001 to present.
- 3) Breaks in series 1992 and 2001: Data are comparable from 1992 through 2000, and from 2001 to present.
- 4) Break in series 1992: Data are comparable from 1992 to present.
- 5) Breaks in series 1992, 1994, 1995 and 1999: Data are comparable from 1992 through 1993, from 1995 through 1998, and from 1999 to present.
- 6) Break in series 1995: Data are comparable from 1995 to present.
- 7) Breaks in series 1992 and 1995: Data are comparable from 1992 through 1994, and from 1995 to present.
- 8) Breaks in series 1988 and 1993: Data are comparable from 1988 through 1992, and from 1993 to present.
- 9) Break in series 1988: Data are comparable from 1988 to present.

**SAN BERNARDINO COUNTY**  
**(Data Disaggregated from Riverside-San Bernardino Metropolitan Statistical Area)**  
**Wage and Salary Employment by Industry**  
**(Data Not Seasonally Adjusted)**  
**2001 Benchmark**  
**Footnotes**

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- 10) Breaks in series 1988 and 1992: Data are comparable from 1988 through 1991, and from 1992 to present.
- 11) Breaks in series 1992, 1998 and 1999: Data are comparable from 1992 through 1997, and from 1999 to present.
- 12) Breaks in series 1992, 1993 and 1995: Data are comparable from 1993 through 1994, and from 1995 to present.
- 13) Break in series 1996: Data are comparable from 1996 to present.
- 14) Break in series 1994: Data are comparable from 1994 to present.
- 15) Breaks in series 1994 and 1998: Data are comparable from 1994 through 1997, and from 1998 to present.
- 16) Breaks in series 2000 and 2001: Data are comparable from 2001 to present.

*Projections*  
*& Planning*  
*Information*

## **Module D:**

# **Projections**



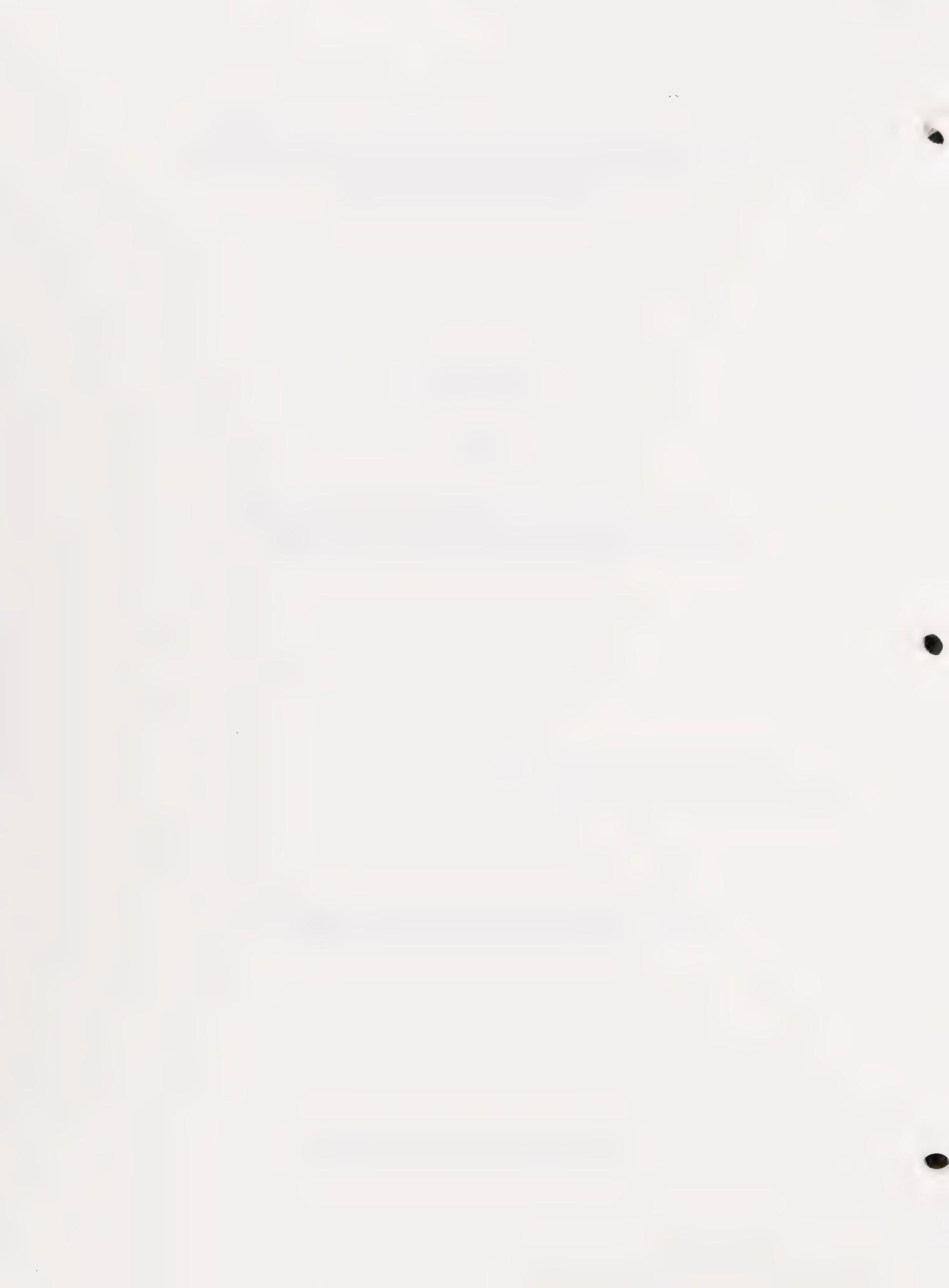
# **PROJECTIONS AND PLANNING INFORMATION**

**UPDATE  
FOR  
SAN BERNARDINO COUNTY**

**Replace Module D: PROJECTIONS**

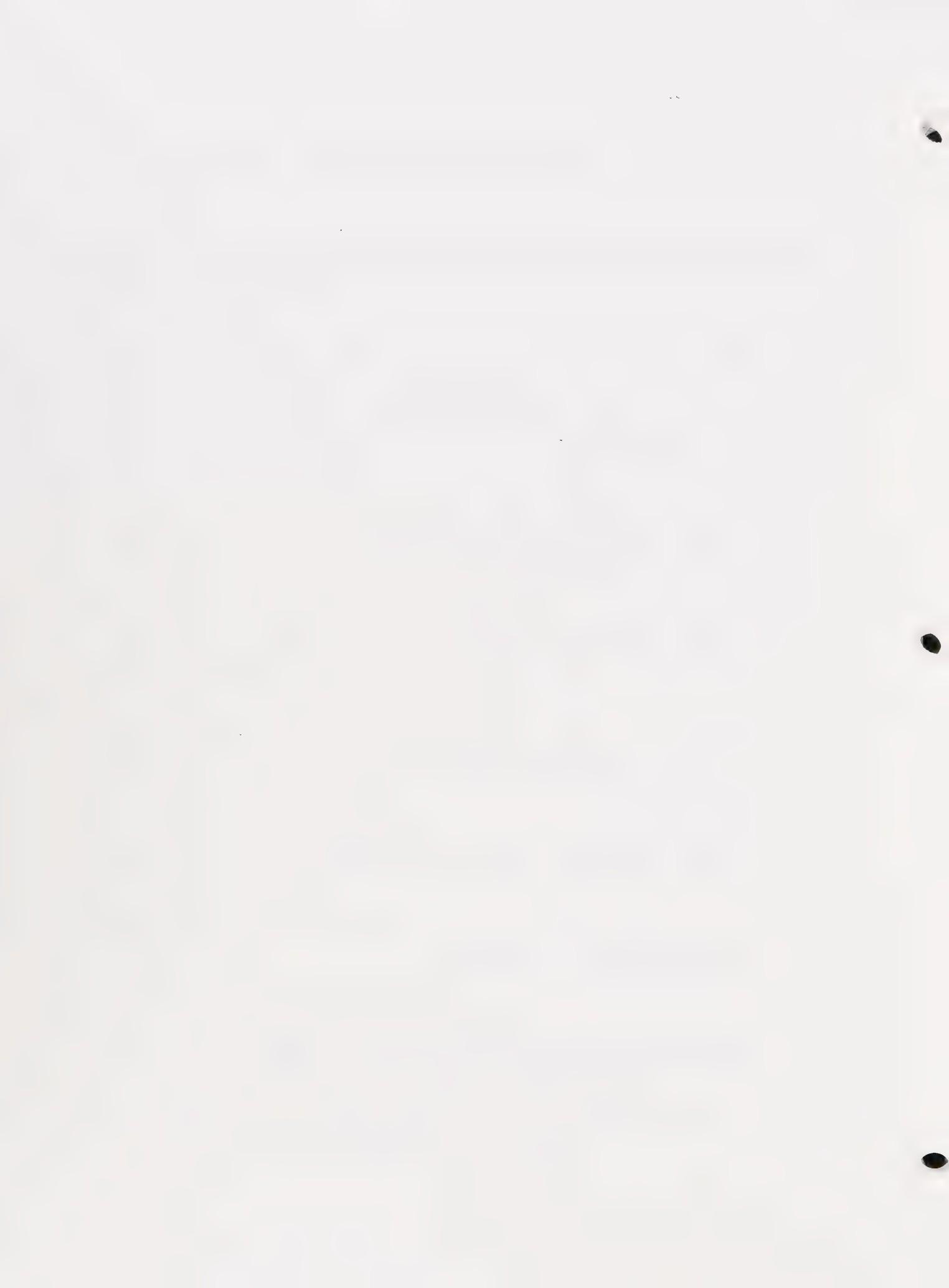
**EMPLOYMENT DEVELOPMENT DEPARTMENT  
LABOR MARKET INFORMATION DIVISION**

For questions about this report, call (916) 262-2162



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# INTRODUCTION

## to Industry and Occupational Projections

### Using Projections Data

The projections contained in these tables provide information for estimating job opportunities, developing training programs, and gaining an insight into future employment trends. However, before reaching any final conclusions, the user should consider the following:

**Remember that these data are estimates.** They were developed based on the assumption that historical trends will continue into the future. However, events may occur during the seven-year projection period that are impossible to predict. Events such as military base closures, major business closures or openings and natural disasters can all have a major impact on employment levels.

**Do not use these projections as your sole source of information.** Use other, more recent sources of local economic data to corroborate the projection data. This information may be found in other documents such as those published by the Employment Development Department's Labor Market Information Division, local chambers of commerce, or local economic development agencies.

**Projections employment data are annual averages.** These averages may not accurately portray seasonal occupations or industries such as those found in agriculture, retail sales, recreation, and construction.

**Employment levels stated reflect workers who are covered by the Unemployment Insurance program.** As a result, industries that are made up largely of individuals who are self-employed will be understated. Examples

include industries such as real estate, hair salons, and bookkeeping. Occupations such as dental hygienists and consultants will also show an understated level of employment.

### Industry Projections

Projections by industry forecast the anticipated changes within an industry over time. Forecasts for each county are based on the county's past employment trends and are refined by a review of current economic developments within the local community. The effect of State-level economic trends are also considered.

Industry employment projections utilize industry employment data from both the Current Employment Statistics (CES) program, and the Employment Payroll (ES202) program. There is a certain amount of error built into both systems. These errors may include employers classified in the wrong industry, incorrect employment levels reported by the employer and employment reported in the wrong county.

If an industry shows a decrease in future employment, it may be that only one or two industry components are experiencing the decline and other components are still expected to hire new workers. It is best to investigate all sectors of the industry. For example, retail trade has several components: building materials and garden supplies; general merchandise stores; food stores, automotive dealers and service stations; and apparel and accessory stores, to name a few.

Geographical differences account for differing

employment opportunities. If an individual is considering relocating from one area of the state to another, the size of the industry and its expected growth level need to be kept in mind. Small rural counties will not have the same employment possibilities as do the larger metropolitan areas.

#### Knowing Future Industry Trends:

- ✓ helps economic development professionals foster compatible growth and promote the county's strengths,
- ✓ helps local government agencies, non-profit agencies, researchers and other interested parties formulate plans and proposals,
- ✓ helps people looking for work and those doing counseling and/or job placement to learn about employment opportunities in various industries.

#### **Occupational Projections**

Projections by occupation estimate the changes in occupational employment over time resulting from two principal causes - growth and technology. Changes in the number, size and type of employers within a given geographical area will affect the demand for certain occupations. Also, technological advances or changes in laws or regulations may affect the occupational mix.

County occupational projections are prepared for all but the smaller counties which are grouped together to produce projections at the multicounty level.

General changes in the work place affect some occupations. Jobs may be created, eliminated or consolidated because of restructuring or regulations affecting the requirements for the job. For example, personal computers and word processing programs eliminated many typist jobs, but created a need for word processors.

An occupational title does not give details

about the occupation. An individual starting a career search may want to look at the various occupations in this module, choose any that are of interest and then do further research on the occupation or occupations of choice.

There are other sources of information (listed below) about specific occupations and the details, such as skills and educational requirements, hourly earnings, benefits, working conditions and advancement opportunities.

Industry staffing patterns used for the projections process are developed from the annual OES Survey of employers. The survey utilizes a sample of the entire universe of Unemployment Insurance (UI) covered employers. Because it is a survey, it is important that the following points be considered:

- ✓ There is inherent statistical error as a result of both the sampling process and the level of employer response to the survey mailings.
- ✓ The OES staffing patterns may contain errors because of the problems employers may have in completing the survey. These errors typically include misunderstanding of survey instructions, misinterpretation of occupational definitions and/or titles contained on the forms, and clerical errors in filling out the forms.
- ✓ The employer's response to the survey may reflect conditions that are atypical. The employer may be experiencing a temporary shutdown, seasonal high or low employment, or a temporary increase in demand for his/her product or service.

Occupational projections data indicate the major local occupations and which occupations are likely to offer the greatest number of job opportunities. When possible, the user should focus on larger groups rather than specific occupations. Some occupations may not appear in published tables because of the very small number of people employed in that area or because of confidentiality concerns.

Although an occupation may be stable and is not expected to grow, it does not mean that there are no opportunities for employment. All occupations have turnover opportunities - individuals change or leave their jobs permanently for varying reasons. High turnover, especially in occupations that require lower-skill levels, would mean that there are frequent openings even though there is little or no growth.

The occupational projections data are prepared for employment and training planners, vocational educators, and others who need information on future employment by occupation. The outlook information can be used in making occupational training decisions and career choices. Employers considering expansion or relocation may find the data helpful in understanding the occupational composition and trends in a county or geographic region.

### **Additional Sources of Information**

For additional information on economic conditions in a particular county, you may contact the Labor Market Information Division's area consultants who are located in the community and are knowledgeable about the economic activities within the counties that they serve, and the local One Stop locations where additional publications on labor market information may be obtained. Other sources of information include:

- Wage And Salary Employment by Industry
- Bureau of Labor Statistics, Occupational Outlook Handbook
- California Occupational Guides
- Bureau of Labor Statistics, Dictionary of Occupational Titles
- California Association for Local Economic Development (CALED)

- Local Chambers of Commerce
- Local Economic Development Organizations
- Local Newspapers
- Standard Industrial Classification Manual

### **Automated Access**

Electronic access to current data is available through the Employment Development Department's Internet address at:

**<http://www.calmis.ca.gov>**

For technical assistance or additional information about the Employment Development Department's Internet website, please call (916) 262-2162 and select option #2. Customers may also call (916) 262-2162 or FAX (916) 262-2443 to order other publications.

# Description of Industry and Occupational Tables

Employment includes nonagricultural wage and salary workers except for self-employed persons, unpaid family workers, private household workers, and those involved in labor-management trade disputes. For the Federal government sector, employment includes all civilian employees regardless of the activities in which they are engaged.

## Industry

An **industry division** refers to a distinct group of private, public, or nonprofit enterprises engaged in producing goods or providing services. With the exception of government, industries are classified by the Standard Industrial Classification (SIC) system. Industries are grouped into ten major categories, according to the economic activity involved. The ten major categories or industry divisions are:

*Agriculture, Forestry, and Fishing (SIC 01–09)* includes establishments primarily engaged in agricultural production, forestry, commercial fishing, hunting and trapping, and related services.

*Mining (SIC 10–14)* includes all establishments involved in the extraction of minerals, crude petroleum, and natural gas. It includes quarrying, well operations, milling, and other related activities.

*Construction (SIC 15–17)* includes establishments engaged in contract construction. This includes new work, additions, alterations, and repairs performed by general and special trade contractors.

*Manufacturing (SIC 20–39)* includes establishments which are usually described as plants, factories, or mills that are engaged in

producing or processing non-durable or durable goods. These characteristically use power-driven machines and material-handling equipment.

*Transportation and Public Utilities (SIC 40–49)* includes enterprises engaged in passenger and freight transportation by surface, water, and air and warehousing and other transportation services. It also includes the communications complex of telephone, telegraph, radio, and television; and the utilities providing gas, electric, and sanitary services.

*Wholesale Trade (SIC 50–51)* includes establishments involved in the selling of merchandise to retailers; to industrial, commercial, farm, construction contractors, or professional business users; or to other wholesalers.

*Retail Trade (SIC 52–59)* includes establishments involved in the selling of merchandise for personal or household consumption and rendering services incidental to the sale of goods.

*Finance, Insurance, and Real Estate (SIC 60–67)* includes savings and loan institutions, banks, and security and commodity brokerages, insurance agencies and carriers, real estate sales and management offices, and rental and planning agencies.

*Services (SIC 70–89)* includes establishments such as hotels, laundries, auto repair shops, theaters, legal services, advertising services, private schools and hospitals, and nonprofit organizations which are engaged in rendering a variety of services to individuals and businesses.

*Government* includes the legislative, judicial, administrative, and regulatory activities of federal, state, local and international governments. It also includes federal, state, and local government hospitals and education.

#### **Table 1: Employment By Major Industry**

This table shows 1999 estimated employment and 2006 projected employment along with the percentage of total employment for each major industry division.

#### **Table 2: Employment by Industry**

This table shows employment and projected employment by industry. The number of jobs is estimated for 1999 and projected for 2006. The column entitled "SIC" lists the Standard Industrial Classification code for each industry grouping. The column labeled "Absolute Change" provides the projected change in employment between 1999 and 2006. The "Percent Change" column is the growth rate over the seven-year period.

### **Occupational**

**Occupational groups** are groups of occupations with similar skills and/or educational requirements, based on the OES groupings. There are over 800 detailed occupations and close to 100 summary level occupations in the Occupational Employment Statistics (OES) classification system. The seven occupational groups are listed below.

*Managers and Administrative* occupations are top and mid-level managers, administrators, and executives. Primary duties are policy making, planning, staffing, directing or controlling the activities of a firm. First-line supervisors are excluded from this category.

*Professional, Paraprofessional, and Technical* occupations are concerned with theoretical or practical aspects of such fields as science, art, education, health, law, and business relations. Professional occupations generally

require long and intensive preparation, while technical occupations work closely with professional personnel and are required to have a combination of basic scientific knowledge and specialized education.

*Sales And Related* occupations are concerned with influencing customers to buy commodities, services, real estate, and investments.

*Clerical And Administrative Support* occupations prepare, transcribe, systematize, and preserve written communications and records; distribute information; and collect accounts.

*Service Occupations* prepare and serve food and drink; provide lodging and related services; provide grooming, cosmetic, and other personal and health care services; maintain and clean clothing and other wearing apparel; provide protection for people and property; attend to the comfort or requests of patrons of amusement and recreation facilities; and perform cleaning and maintenance services in the interiors of buildings.

*Agricultural, Forestry, And Fishing* occupations in this report include only forestry workers, nursery workers, animal caretakers, and gardeners and groundskeepers.

*Production, Construction, Operating, Maintenance, and Material Handling* are skilled, semiskilled, and unskilled workers performing machine and manual tasks involving production, construction, operating maintenance, repair, and material handling operations.

#### **Table 3: Employment by Major Occupational Group**

This table shows 1999 and 2006 employment and projected employment for the seven major occupational groups. The "Percent of Total" column displays the percentage of total employment each major occupational group represents. The "Absolute Change" column

gives the number of job opportunities resulting from the creation of new jobs. "Percent Change" shows the percentage change for each occupational group.

**Table 4: Occupations with the Greatest Absolute Job Growth**

This table lists the 50 occupations that are projected to register the largest absolute change between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new jobs over the 1999–2006 period.

**Table 5: Occupations with the Fastest Job Growth**

This table lists the 50 occupations with the greatest projected percentage increases. It provides a different perspective to future occupational employment changes. It is important to note that some of these occupations are increasing rapidly from relatively small employment levels and are not necessarily found in Table 4.

**Table 6: Occupational Employment Projections**

This table provides occupational detail for up to 800 occupations. Annual average employment in each occupation is shown for 1999 and 2006. The column headed "Absolute Change" presents the number of job opportunities resulting from the creation of new jobs. The "Percent Change" column shows the percentage change for each occupation. The next column, "Openings Due to Separations", shows job opportunities that are created by workers leaving the occupation. Also included in this table is the Occupational Employment Statistics (OES) codes column. It shows the distinctive California OES code for each occupational title.

Each occupation in Table 6 is identified by a line number. The Alphabetical Index of Occupations section found in this module may be used to locate individual occupations in the detailed table. The same line numbers are used in all area reports for 1999–2006. Line numbers may be different for other time periods. Not all line numbers appear in all counties; missing line numbers indicate occupations with no employment or employment below the area's cutoff point for publishing.

**Table 7: Occupations with the Most Openings (Growth plus Separations)**

This table lists the occupations that are projected to register the largest absolute growth and separations between 1999 and 2006. In general, these occupations are numerically large. Some have average projected rates of growth, but because of their employment size will add significant numbers of new job openings over the 1999–2006 period.

**Table 8: Occupations with Projected Decline**

This table lists the occupations that are projected to decline over the 1999–2006 time period. Declining employment is a sign that the occupation has no growth. However, turnover may result in some job opportunities.

# Training Level Definitions

Occupational training and education classifications were developed by the Bureau of Labor Statistics to improve on prior classification systems that did not distinguish between occupations with comparable educational requirements. For example, neither carpenters nor laborers require formal education beyond high school, but the complexity of the work and the training time required results in carpenters being placed in the long-term on-the-job training category and laborers placed in the short-term on-the-job training category. Of course there is more than one way to qualify for a job. In this classification system, the education and training required reflects the manner in which most workers become proficient in that occupation and the preferences of most employers.

**1. First professional degree.** Occupations that require at least two years of full-time academic study beyond a bachelor's degree (for example, law, medicine, dentistry and clergy).

**2. Doctoral degree.** Occupations that require at least three years of full-time academic study beyond a bachelor's degree culminating in a doctoral degree.

**3. Master's degree.** Occupations that require the completion of a master's degree program which is usually one to two years beyond a bachelor's degree.

**4. Bachelor's or higher and some work experience.** Occupations that generally require work experience in an occupation requiring a bachelor's or higher degree. Most occupations in this category are managerial occupations that require work experience in a related non-managerial occupation.

**5. Bachelor's degree.** Occupations that require the completion of at least 4 but not more than 5 years of full-time academic study beyond high school resulting in a Bachelor's degree.

**6. Associate degree.** Occupations that require the completion of at least 2 years of full-time academic study beyond high school.

**7. Post-secondary vocational education.** Occupations that require completion of vocational school training.

**8. Work experience.** Occupations that require skills obtained through work experience in a related occupation.

**9. Long-term on-the-job training.** Occupations that require more than 12 months of on-the-job training or combined work experience and formal classroom instruction for workers to develop the skills needed for average job performance.

**10. Moderate-term on-the-job training.** Occupations in which workers can develop average job performance after 1 to 12 months of combined on-the-job experience and informal training.

**11. Short-term on-the-job-training.** Occupations in which workers can develop skills needed after a short demonstration or up to one month of on-the-job experience and instruction.

# Industry Trends and Outlook

The Employment Development Department projects that San Bernardino County's nonfarm employment will grow by 135,300 jobs, or 26.3 percent, during the 1999-2006 forecast period. Employment gains are expected across all major industry sectors except mining, the county's smallest industry. The service producing industries (transportation and public utilities; trade; finance, insurance and real estate; services and government) are projected to grow by 108,200 jobs, or 25.9 percent growth. Goods producing industries (mining, construction and manufacturing) will provide an additional 27,100 jobs, a growth rate of 27.9 percent.

The **services** sector will account for almost one-third of the gain by adding 39,700 jobs, a jump of 30.2 percent. The largest gain will be in the other services group (11,700 jobs) primarily due to employment increases in residential-care facilities. Other services includes firms providing social services, automotive and miscellaneous repair services, legal services and membership organizations. There will also be growth in the business services group (11,600 jobs), primarily due to the demand at personnel supply agencies.

Jobs in the **trade** sector will grow by 31,000. The majority of the increase, 19,900 jobs, will come from retail trade, primarily in the eating and drinking places group, which should expand by 8,100 jobs, or 24.5 percent. Establishments in the wholesale trade sector will add 11,100 new jobs over the forecast period.

**Government** payrolls will increase by 25,400 jobs with the majority of the job growth in local education.

**Manufacturing** employment ought to increase by 18,800 jobs. Over two-thirds of the new jobs will be in the durable goods group, led by job gains in the fabricated metal products, furniture and fixtures and industrial machinery industries. Employment in the nondurable group will benefit from 2,500 new jobs in the rubber and plastics products industry group.

Employment in the **transportation and public utilities** industry is anticipated to increase by 8,500 jobs over the seven-year forecast period. The transportation group should increase by 7,500 jobs, with more than one-half of that increase concentrated in the trucking and warehousing component.

**Construction**, responding to demand for residential, office, and heavy construction projects, should add 8,300 new jobs to payrolls by the year 2006. The majority of new jobs in construction will be in the special trade category, which includes plumbing, painting, electrical work, carpentry, and an array of other construction specialties.

Employment in **finance, insurance and real estate** will grow by an estimated 3,600 jobs over the forecast period. The employment growth in the finance group results from increased residential construction and an expanding real estate market.

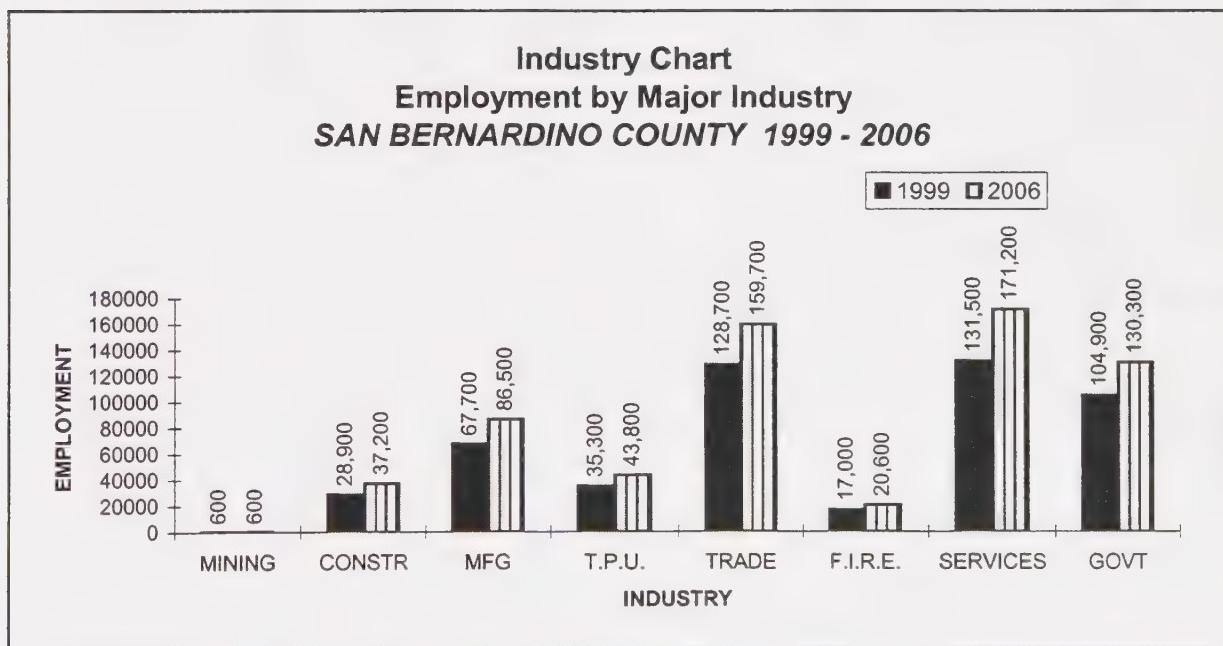
The job count in **mining** is expected to remain stable at its 1999 level of 600 jobs over the forecast period.

**Table 1**  
**Employment By Major Industry (1)**  
**1999 - 2006 Annual Averages**  
**SAN BERNARDINO COUNTY**

INDUSTRY	1999 (2)	PERCENT OF TOTAL	2006	PERCENT OF TOTAL
<b>TOTAL NONFARM</b>	<b>514,600</b>	<b>100.0%</b>	<b>649,900</b>	<b>100.0%</b>
MINING	600	0.1%	600	0.1%
CONSTRUCTION	28,900	5.6%	37,200	5.7%
MANUFACTURING	67,700	13.2%	86,500	13.3%
TRANSPORTATION & PUBLIC UTILITIES	35,300	6.9%	43,800	6.7%
TRADE	128,700	25.0%	159,700	24.6%
FINANCE, INSURANCE, & REAL ESTATE	17,000	3.3%	20,600	3.2%
SERVICES	131,500	25.6%	171,200	26.3%
GOVERNMENT	104,900	20.4%	130,300	20.0%

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

(2) March 2000 benchmark.



**Table 2**  
**Industry Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
<b>TOTAL NONFARM</b>	074, 075, 078, 10-99 except 88	514,600	649,900	135,300	26.3
<b>GOODS PRODUCING</b>	10-39	97,200	124,300	27,100	27.9
MINING	10-14	600	600	0	0.0
CONSTRUCTION	15-17	28,900	37,200	8,300	28.7
General Building Contractors	15	5,400	6,500	1,100	20.4
Heavy Construction	16	3,600	4,600	1,000	27.8
Special Trade	17	19,900	26,100	6,200	31.2
<b>MANUFACTURING</b>	20-39	67,700	86,500	18,800	27.8
Durable Goods	24,25,32-39	47,000	59,800	12,800	27.2
Lumber & Wood Products	24	4,100	5,000	900	22.0
Furniture & Fixtures	25	6,300	8,300	2,000	31.7
Stone, Clay, & Glass	32	5,000	6,300	1,300	26.0
Primary Metals	33	3,300	4,000	700	21.2
Fabricated Metal Products	34	9,100	11,600	2,500	27.5
Industrial Machinery	35	5,600	7,400	1,800	32.1
Electronic Equipment	36	3,400	4,700	1,300	38.2
Transportation Equipment	37	7,300	8,200	900	12.3
Aircraft, Missiles & Space	372,376	3,000	3,000	0	0.0
Other Transportation Equipment	37X	4,300	5,200	900	20.9
Instruments & Related Products	38	1,300	2,000	700	53.8
Miscellaneous Manufacturing	39	1,700	2,300	600	35.3
Nondurable Goods	20-23,26-31	20,700	26,700	6,000	29.0
Food & Kindred Products	20	4,100	5,000	900	22.0
Apparel & Other Textile Products	23	1,300	1,600	300	23.1
Printing & Publishing	27	3,500	4,000	500	14.3
Chemicals & Allied Products	28	2,200	2,600	400	18.2
Rubber & Misc. Plastics Products	30	7,000	9,500	2,500	35.7
Other Nondurable Goods		2,700	4,000	1,300	48.1
<b>SERVICE PRODUCING</b>	074, 075, 078, 40-99 except 88	417,400	525,600	108,200	25.9
<b>TRANSPORTATION AND PUBLIC UTILITIES</b>	40-42,44-49	35,300	43,800	8,500	24.1
Transportation	40-42,44-47	27,300	34,800	7,500	27.5
Trucking & Warehousing	42	14,400	18,500	4,100	28.5
Other Transportation		12,900	16,300	3,400	26.4
Communications & Public Utilities	48,49	8,000	9,000	1,000	12.5
Communications	48	3,500	3,500	0	0.0
Electric, Gas & Sanitary Services	49	4,500	5,500	1,000	22.2
<b>TRADE</b>	50-59	128,700	159,700	31,000	24.1
Wholesale Trade	50,51	28,500	39,600	11,100	38.9
Wholesale--Durable	50	18,300	25,100	6,800	37.2
Wholesale--Nondurable	51	10,100	14,500	4,400	43.6

**Table 2**  
**Industry Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

INDUSTRY	SIC	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE
		1999 (2)	2006		
Retail Trade	52-59	100,200	120,100	19,900	19.9
Building Materials & Garden Supplies	52	3,900	5,000	1,100	28.2
General Merchandise	53	16,200	18,400	2,200	13.6
Food Stores	54	13,500	14,500	1,000	7.4
Automotive Dealers & Service	55	12,600	14,900	2,300	18.3
Eating & Drinking Places	58	33,100	41,200	8,100	24.5
Other Retail Trade		21,000	26,100	5,100	24.3
<b>FINANCE, INSURANCE &amp; REAL ESTATE</b>	<b>60-65,67</b>	<b>17,000</b>	<b>20,600</b>	<b>3,600</b>	<b>21.2</b>
Finance	60-62,67	8,600	11,500	2,900	33.7
Other Finance, Insurance & Real Estate		8,400	9,100	700	8.3
<b>SERVICES</b>	<b>074, 075, 078, 70-89 except 88</b>	<b>131,500</b>	<b>171,200</b>	<b>39,700</b>	<b>30.2</b>
Hotels & Other Lodging Places	70	3,500	4,900	1,400	40.0
Personal Services	72	4,000	4,800	800	20.0
Business Services	73	32,900	44,500	11,600	35.3
Amusement, Including Movies	78,79	6,800	8,800	2,000	29.4
Health Services	80	39,400	47,300	7,900	20.1
Private Educational Services	82	6,700	8,300	1,600	23.9
Engineering & Management	87	6,900	9,500	2,600	37.7
Other Services		31,400	43,100	11,700	37.3
<b>GOVERNMENT</b>		<b>104,900</b>	<b>130,300</b>	<b>25,400</b>	<b>24.2</b>
Federal Government		11,100	13,400	2,300	20.7
Department of Defense		3,600	4,700	1,100	30.6
Other Federal Government		7,400	8,700	1,300	17.6
State & Local Government		93,900	116,900	23,000	24.5
State Government		11,300	13,400	2,100	18.6
State Education		2,200	2,900	700	31.8
Other State Government		9,200	10,500	1,300	14.1
Local Government		82,500	103,500	21,000	25.5
Local Education		53,700	68,500	14,800	27.6
Local Noneducation		28,800	35,000	6,200	21.5

(1) Employment and projections contained in these tables are considered estimates (see introduction for a full explanation of data limitations). Employment is reported by place of work and excludes self-employed persons, unpaid family workers, domestics, volunteers, and those involved in labor-management trade disputes. These data are based on 1987 Standard Industrial Classifications. Annual average industry detail may not add up to totals due to independent rounding. Government data include all civilian government employees regardless of the activities in which they are engaged.

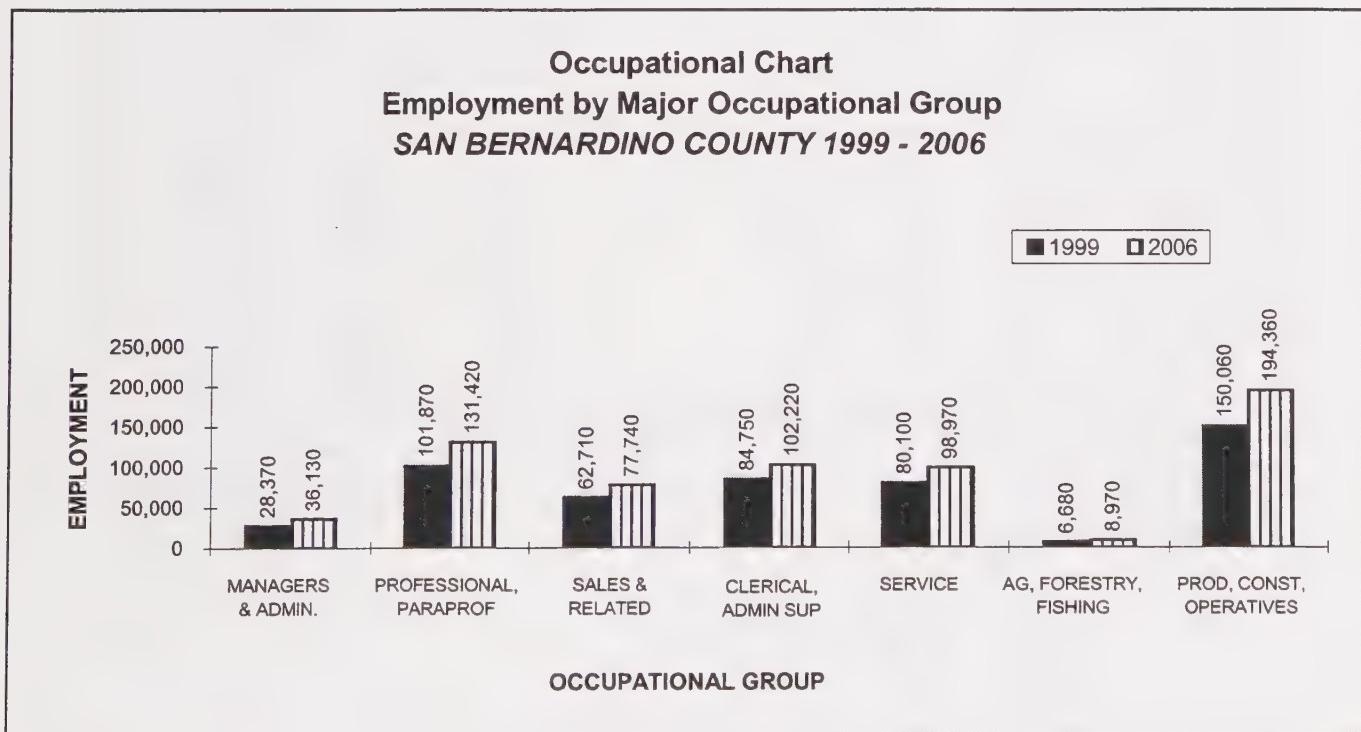
(2) March 2000 benchmark.

**Table 3**  
**Employment by Major Occupational Group**  
**1999 - 2006 Annual Averages**  
**SAN BERNARDINO COUNTY**

OCCUPATIONAL GROUP	1999	PERCENT OF TOTAL	2006	PERCENT OF TOTAL	ABSOLUTE CHANGE	PERCENT CHANGE
TOTAL, ALL OCCUPATIONS (1)	514,600	100.0%	649,900	100.0%	135,300	26.3%
MANAGERS AND ADMIN OCCUPATIONS	28,370	5.5%	36,130	5.6%	7,760	27.4%
PROFESSIONAL, PARAPROF, TECHNICAL	101,870	19.8%	131,420	20.2%	29,550	29.0%
SALES AND RELATED OCCUPATIONS	62,710	12.2%	77,740	12.0%	15,030	24.0%
CLERICAL, ADMINISTRATIVE SUPPORT	84,750	16.5%	102,220	15.7%	17,470	20.6%
SERVICE OCCUPATIONS	80,100	15.6%	98,970	15.2%	18,870	23.6%
AGRICULTURAL, FORESTRY, FISHING	6,680	1.3%	8,970	1.4%	2,290	34.3%
PROD, CONST, OPER, MAT HANDLING	150,060	29.2%	194,360	29.9%	44,300	29.5%

(1) Total is based on the March 2000 benchmark.

**Occupational Chart**  
**Employment by Major Occupational Group**  
**SAN BERNARDINO COUNTY 1999 - 2006**



**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	19,430	23,780	4,350	22.4	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	13,980	17,400	3,420	24.5	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVES	11,660	14,970	3,310	28.4	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
97102	TRUCK DRIVERS, HEAVY	9,430	12,690	3,260	34.6	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	13,520	16,750	3,230	23.9	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	9,710	12,930	3,220	33.2	5	BACHELOR'S DEGREE
97105	TRUCK DRIVERS, LIGHT	7,410	9,960	2,550	34.4	11	SHORT-TERM ON-THE-JOB TRAINING
93956	ASSEMBL, FABRICATORS--EX MACH,ELECT	8,160	10,650	2,490	30.5	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	10,030	12,470	2,440	24.3	5	BACHELOR'S DEGREE
31521	TEACHER AIDES, PARAPROFESSIONAL	5,330	7,550	2,220	41.7	6	ASSOCIATE DEGREE
98902	HAND PACKERS AND PACKAGERS	5,610	7,790	2,180	38.9	11	SHORT-TERM ON-THE-JOB TRAINING
41002	FIRST-LINE SUP/MGR--SALES	7,700	9,830	2,130	27.7	8	WORK EXPERIENCE
79041	LABORERS, LANDSCAPING/GRNDSKEEPING	5,270	7,090	1,820	34.5	11	SHORT-TERM ON-THE-JOB TRAINING
32502	REGISTERED NURSES	8,830	10,640	1,810	20.5	6	ASSOCIATE DEGREE
51002	FIRST-LINE SUP/MGR, CLERL, ADM SUP	6,120	7,740	1,620	26.5	8	WORK EXPERIENCE
65041	COMBINED FOOD PREP AND SERVICE	8,140	9,730	1,590	19.5	11	SHORT-TERM ON-THE-JOB TRAINING
87102	CARPENTERS	5,890	7,430	1,540	26.1	9	LONG-TERM ON-THE-JOB TRAINING
67005	JANITORS, CLEANERS--EXCEPT MAIDS	7,140	8,640	1,500	21.0	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	6,430	7,890	1,460	22.7	11	SHORT-TERM ON-THE-JOB TRAINING
63047	GUARDS AND WATCH GUARDS	3,870	5,170	1,300	33.6	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	4,070	5,290	1,220	30.0	10	MODERATE-TERM ON-THE-JOB TRAINING
55305	RECEPTIONISTS, INFORMATION CLERKS	4,860	6,040	1,180	24.3	11	SHORT-TERM ON-THE-JOB TRAINING
55108	SECRETARIES, GENERAL	8,730	9,870	1,140	13.1	7	POST-SECONDARY VOCATIONAL EDUCATION
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	4,090	5,190	1,100	26.9	11	SHORT-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	5,290	6,370	1,080	20.4	9	LONG-TERM ON-THE-JOB TRAINING

**Table 4**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
65038	FOOD PREPARATION WORKERS	5,980	7,000	1,040	17.4	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDS, ORDERLIES, ATTENDANTS	4,340	5,370	1,030	23.7	11	SHORT-TERM ON-THE-JOB TRAINING
31311	TEACHERS--SPECIAL EDUCATION	2,350	3,330	980	41.7	5	BACHELOR'S DEGREE
55338	BOOKKEEPING, ACCOUNTING CLERKS	6,990	7,970	980	14.0	10	MODERATE-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	4,660	5,610	950	20.4	11	SHORT-TERM ON-THE-JOB TRAINING
53905	TEACHER AIDS & EDUC ASSTS, CLERICAL	2,360	3,270	910	38.6	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	2,390	3,280	890	37.2	9	LONG-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	2,120	2,930	810	38.2	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	3,000	3,790	790	26.3	9	LONG-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	2,890	3,620	730	25.3	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	2,550	3,270	720	28.2	9	LONG-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK, TRACTOR OPERATORS	2,320	3,040	720	31.0	11	SHORT-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	1,980	2,670	690	34.8	11	SHORT-TERM ON-THE-JOB TRAINING
98905	VEHICLE WASHERS, EQUIP CLEANERS	2,060	2,750	690	33.5	11	SHORT-TERM ON-THE-JOB TRAINING
81002	FIRST-LINE SUP/MGR-MECH. REPAIRERS	2,200	2,850	650	29.5	8	WORK EXPERIENCE
67002	MAIDS AND HOUSEKEEPING CLEANERS	2,810	3,450	640	22.8	11	SHORT-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	2,180	2,810	630	28.9	8	WORK EXPERIENCE
25104	COMPUTER SUPPORT SPECIALISTS	900	1,490	590	65.6	5	BACHELOR'S DEGREE
66005	MEDICAL ASSISTANTS	1,800	2,380	580	32.2	10	MODERATE-TERM ON-THE-JOB TRAINING
13002	FINANCIAL MANAGERS	2,310	2,880	570	24.7	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21114	ACCOUNTANTS AND AUDITORS	2,220	2,790	570	25.7	5	BACHELOR'S DEGREE
53102	TELLERS	2,130	2,690	560	26.3	11	SHORT-TERM ON-THE-JOB TRAINING
85311	BUS AND TRUCK MECHANICS	1,670	2,230	560	33.5	9	LONG-TERM ON-THE-JOB TRAINING
31303	TEACHERS, PRESCHOOL	1,630	2,180	550	33.7	5	BACHELOR'S DEGREE
63017	CORRECTION OFFICERS, JAILERS	1,680	2,230	550	32.7	9	LONG-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>268,200</b>	<b>339,740</b>	<b>71,540</b>	<b>26.7</b>		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
22127	COMPUTER ENGINEERS	490	850	360	73.5	5	BACHELOR'S DEGREE
25102	SYSTEMS ANALYSTS--ELEC DATA PROCESSING	610	1,030	420	68.9	5	BACHELOR'S DEGREE
25104	COMPUTER SUPPORT SPECIALISTS	900	1,490	590	65.6	5	BACHELOR'S DEGREE
97305	LOCOMOTIVE ENGINEERS	360	570	210	58.3	8	WORK EXPERIENCE
27308	HUMAN SERVICES WORKERS	470	700	230	48.9	10	MODERATE-TERM ON-THE-JOB TRAINING
43014	SALES AGENTS--FINANCIAL SERVICES	290	430	140	48.3	9	LONG-TERM ON-THE-JOB TRAINING
53105	NEW ACCOUNTS CLERKS	400	590	190	47.5	8	WORK EXPERIENCE
97923	EXCAVATING, LOADING MACHINE OPS	330	480	150	45.5	10	MODERATE-TERM ON-THE-JOB TRAINING
32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	430	620	190	44.2	3	MASTER'S DEGREE
67008	PEST CONTROLLERS AND ASSISTANTS	300	430	130	43.3	10	MODERATE-TERM ON-THE-JOB TRAINING
13017	ENGINEER, MATH, AND NAT SCI MGRS	540	770	230	42.6	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
28108	LAWYERS	450	640	190	42.2	1	FIRST PROFESSIONAL DEGREE
32302	RESPIRATORY THERAPISTS	500	710	210	42.0	6	ASSOCIATE DEGREE
31517	INSTRUCTIONAL COORDINATORS	310	440	130	41.9	5	BACHELOR'S DEGREE
92721	SEWING MACHINE OPS--NON-GARMENT	980	1,390	410	41.8	10	MODERATE-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	5,330	7,550	2,220	41.7	6	ASSOCIATE DEGREE
31311	TEACHERS--SPECIAL EDUCATION	2,350	3,330	980	41.7	5	BACHELOR'S DEGREE
58026	ORDER FILLERS--WHLE & RET SALES	840	1,190	350	41.7	11	SHORT-TERM ON-THE-JOB TRAINING
93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	300	420	120	40.0	8	WORK EXPERIENCE
98902	HAND PACKERS AND PACKAGERS	5,610	7,790	2,180	38.9	11	SHORT-TERM ON-THE-JOB TRAINING
21108	LOAN OFFICERS AND COUNSELORS	900	1,250	350	38.9	5	BACHELOR'S DEGREE
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	2,360	3,270	910	38.6	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	2,120	2,930	810	38.2	11	SHORT-TERM ON-THE-JOB TRAINING
27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,100	1,520	420	38.2	5	BACHELOR'S DEGREE
27307	RESIDENTIAL COUNSELORS	970	1,340	370	38.1	5	BACHELOR'S DEGREE

**Table 5**  
**Occupations With The Fastest Job Growth (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
		1999(2)	2006				
68035	PERSONAL AND HOME CARE AIDES	610	840	230	37.7	11	SHORT-TERM ON-THE-JOB TRAINING
22135	MECHANICAL ENGINEERS	640	880	240	37.5	5	BACHELOR'S DEGREE
98102	HELPERS, MECHANIC & REPAIRER	1,420	1,950	530	37.3	11	SHORT-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	2,390	3,280	890	37.2	9	LONG-TERM ON-THE-JOB TRAINING
87317	PLASTERERS AND STUCCO MASONS	430	590	160	37.2	9	LONG-TERM ON-THE-JOB TRAINING
34038	DESIGNERS, EX INTERIOR DESIGNERS	890	1,220	330	37.1	5	BACHELOR'S DEGREE
85902	HEATING, AC, REFRIG MECHANICS	840	1,150	310	36.9	9	LONG-TERM ON-THE-JOB TRAINING
93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	650	890	240	36.9	11	SHORT-TERM ON-THE-JOB TRAINING
68021	USHERS, LOBBY ATTENDANTS	300	410	110	36.7	11	SHORT-TERM ON-THE-JOB TRAINING
93947	PAINTING, COATING, DECORATING--HAN	330	450	120	36.4	11	SHORT-TERM ON-THE-JOB TRAINING
55102	SECRETARIES, LEGAL	610	830	220	36.1	7	POST-SECONDARY VOCATIONAL EDUCATION
66011	HOME HEALTH AIDES	360	490	130	36.1	11	SHORT-TERM ON-THE-JOB TRAINING
49005	SALES REPS, SCIENTIFIC--EX RETAIL	1,310	1,780	470	35.9	10	MODERATE-TERM ON-THE-JOB TRAINING
49026	TELEMARKETERS, SOLICITORS & RELATED	1,220	1,650	430	35.2	11	SHORT-TERM ON-THE-JOB TRAINING
85314	MOBILE HEAVY EQUIP MECH--EX ENGINEER	710	960	250	35.2	9	LONG-TERM ON-THE-JOB TRAINING
92974	PACKAGING, FILLING MACH OPS, TENDERS	1,370	1,850	480	35.0	10	MODERATE-TERM ON-THE-JOB TRAINING
91905	PLASTIC MOLDING, CASTING MACH OPS	1,090	1,470	380	34.9	10	MODERATE-TERM ON-THE-JOB TRAINING
92953	PAINTING, REL MACH OPS, TENDERS	430	580	150	34.9	10	MODERATE-TERM ON-THE-JOB TRAINING
68038	CHILD CARE WORKERS	1,980	2,670	690	34.8	11	SHORT-TERM ON-THE-JOB TRAINING
97102	TRUCK DRIVERS, HEAVY	9,430	12,690	3,260	34.6	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	5,270	7,090	1,820	34.5	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	7,410	9,960	2,550	34.4	11	SHORT-TERM ON-THE-JOB TRAINING
22511	MECHANICAL ENGINEERING TECHS	350	470	120	34.3	6	ASSOCIATE DEGREE
31317	INSTRUCTORS--NON-VOC EDUCATION	410	550	140	34.1	8	WORK EXPERIENCE
85305	AUTOMOTIVE BODY, RELATED REPAIRERS	1,090	1,460	370	33.9	9	LONG-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>70,780</b>	<b>97,890</b>	<b>27,110</b>	<b>38.3</b>		

(1) Excludes not elsewhere classified (NEC) categories and occupations of less than 400 in 2006.

(2) March 2000 Benchmark

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
1		TOTAL, ALL OCCUPATIONS	514,600	649,900	135,300	26.3	100,040		
2	10000	MGRS AND ADMIN OCCUPATIONS	28,370	36,130	7,760	27.4	4,000		
3	13002	FINANCIAL MANAGERS	2,310	2,880	570	24.7	280	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
4	13005	PERS, TRAINING, LABOR-REL MGRS	810	1,080	270	33.3	150	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
5	13008	PURCHASING MANAGERS	690	870	180	26.1	120	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
6	13011	MKTNG, ADV, PUB-REL MANAGERS	1,150	1,470	320	27.8	120	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
7	13014	ADMINISTRATIVE SERVICES MANAGERS	1,380	1,760	380	27.5	190	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
8	13017	ENGINEER, MATH, AND NAT SCI MGRS	540	770	230	42.6	80	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
10	15005	EDUCATION ADMINISTRATORS	1,850	2,320	470	25.4	360	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
11	15008	MEDICINE, HEALTH SERVICES MGRS	1,130	1,460	330	29.2	160	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
12	15011	PROPERTY AND REAL ESTATE MANAGERS	280	320	40	14.3	30	5	BACHELOR'S DEGREE
13	15014	INDUSTRIAL PRODUCTION MANAGERS	740	930	190	25.7	100	5	BACHELOR'S DEGREE
14	15017	CONSTRUCTION MANAGERS	850	1,100	250	29.4	120	5	BACHELOR'S DEGREE
16	15023	COMM, TRANS, UTIL OPER MGRS	660	820	160	24.2	90	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
17	15026	FOOD SERVICE AND LODGING MANAGERS	1,160	1,450	290	25.0	160	8	WORK EXPERIENCE
20	19002	PUB ADMIN CHIEF EXECS, LEGISLATORS	170	200	30	17.6	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
21	19005	GENERAL MANAGERS, TOP EXECUTIVES	11,660	14,970	3,310	28.4	1,610	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
22	19999	MANAGERS AND ADMINISTRATORS, NEC	2,990	3,730	740	24.7	400	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
23	20000	PROFESSIONAL, PARAPROF, TECHNICAL	101,870	131,420	29,550	29.0	16,310		
24	21000	MANAGEMENT SUPPORT OCCUPATIONS	9,730	12,490	2,760	28.4	1,490		

**Table 6**  
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**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
25	21100	ACCOUNTANTS, AUDIT, FINANCE SPECS	4,460	5,730	1,270	28.5	660		
26	21102	INSURANCE UNDERWRITERS	160	170	10	6.3	30	5	BACHELOR'S DEGREE
27	21105	CREDIT ANALYSTS	120	160	40	33.3	20	5	BACHELOR'S DEGREE
28	21108	LOAN OFFICERS AND COUNSELORS	900	1,250	350	38.9	160	5	BACHELOR'S DEGREE
29	21111	TAX PREPARERS	320	390	70	21.9	50	11	SHORT-TERM ON-THE-JOB TRAINING
30	21114	ACCOUNTANTS AND AUDITORS	2,220	2,790	570	25.7	270	5	BACHELOR'S DEGREE
31	21117	BUDGET ANALYSTS	170	220	50	29.4	30	5	BACHELOR'S DEGREE
32	21199	FINANCIAL SPECIALISTS, NEC	570	750	180	31.6	100	5	BACHELOR'S DEGREE
33	21300	PURCHASING AGENTS AND BUYERS	900	1,140	240	26.7	180		
34	21302	WHLE AND RET BUYERS--EX FARM PRODS	230	280	50	21.7	40	5	BACHELOR'S DEGREE
36	21308	PURCH AGTS--EX WHLE,RET,FARM PRODS	670	860	190	28.4	140	5	BACHELOR'S DEGREE
37	21500	PERS, TRAINING, LAB-REL SPECS	760	990	230	30.3	160		
41	21511	PERS, TRAINING, LAB-REL SPECS, NEC	760	990	230	30.3	160	5	BACHELOR'S DEGREE
42	21900	OTHER MANAGEMENT SUPPORT WORKERS	3,610	4,630	1,020	28.3	490		
43	21902	COST ESTIMATORS	560	730	170	30.4	50	8	WORK EXPERIENCE
44	21905	MANAGEMENT ANALYSTS	260	360	100	38.5	20	3	MASTER'S DEGREE
45	21908	CONST AND BUILDING INSPECTORS	270	330	60	22.2	50	8	WORK EXPERIENCE
46	21911	COMPL, ENFORCE INSPECT--EX CONST	640	790	150	23.4	90	8	WORK EXPERIENCE
47	21914	TAX EXAMINERS, COLLECT, REV AGENTS	130	180	50	38.5	20	5	BACHELOR'S DEGREE
50	21999	MANAGEMENT SUPPORT WORKERS, NEC	1,750	2,240	490	28.0	260	5	BACHELOR'S DEGREE
51	22000	ENGINEERS, ARCHITECTS, SURVEYORS	6,940	9,090	2,150	31.0	1,160		

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**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
52	22100	ENGINEERS	3,860	5,170	1,310	33.9	580		
53	22102	AERONAUT, ASTRONAUTICAL ENGINEERS	610	680	70	11.5	70	5	BACHELOR'S DEGREE
59	22121	CIVIL ENGINEERS--INCLUDING TRAFFIC	660	820	160	24.2	100	5	BACHELOR'S DEGREE
61	22126	ELECT AND ELECTRONIC ENGINEERS	570	740	170	29.8	100	5	BACHELOR'S DEGREE
62	22127	COMPUTER ENGINEERS	490	850	360	73.5	30	5	BACHELOR'S DEGREE
63	22128	INDUST ENGINEERS--EXCEPT SAFETY	200	250	50	25.0	20	5	BACHELOR'S DEGREE
65	22135	MECHANICAL ENGINEERS	640	880	240	37.5	100	5	BACHELOR'S DEGREE
67	22199	ENGINEERS, NEC	690	950	260	37.7	160	5	BACHELOR'S DEGREE
68	22300	ARCHITECTS AND SURVEYORS	210	240	30	14.3	40		
72	22311	SURVEYING AND MAPPING SCIENTISTS	210	240	30	14.3	40	5	BACHELOR'S DEGREE
73	22500	ENGINEERING, RELATED TECHNICIANS	2,870	3,680	810	28.2	540		
74	22502	CIVIL ENGINEERING TECHNICIANS	290	380	90	31.0	60	6	ASSOCIATE DEGREE
75	22505	ELECT, ELECTRONIC ENGINEERING TECH	670	890	220	32.8	110	6	ASSOCIATE DEGREE
77	22511	MECHANICAL ENGINEERING TECHS	350	470	120	34.3	60	6	ASSOCIATE DEGREE
78	22514	DRAFTERS	850	1,030	180	21.2	160	7	POST-SECONDARY VOCATIONAL EDUCATION
80	22521	SURVEYING AND MAPPING TECHS	200	260	60	30.0	40	7	POST-SECONDARY VOCATIONAL EDUCATION
81	22599	ENGINEERING, RELATED TECHS, NEC	510	650	140	27.5	110	6	ASSOCIATE DEGREE
82	24000	NAT SCIENTISTS AND RELATED WORKERS	590	760	170	28.8	100		
83	24100	PHYSICAL SCIENTISTS	150	210	60	40.0	30		
85	24105	CHEMISTS, EXCEPT BIOCHEMISTS	150	210	60	40.0	30	5	BACHELOR'S DEGREE

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
89	24300	LIFE SCIENTISTS	130	180	50	38.5	20		
92	24308	BIOLOGICAL SCIENTISTS	130	180	50	38.5	20	2	DOCTORAL DEGREE
95	24500	PHYSICAL, LIFE SCIENCE TECHS	310	370	60	19.4	50		
97	24505	CHEM TECHS--EXCEPT HEALTH	130	150	20	15.4	20	6	ASSOCIATE DEGREE
100	24599	PHYSICAL, LIFE SCIENCE TECHS, NEC	180	220	40	22.2	30	6	ASSOCIATE DEGREE
101	25000	COMPUTER, MATH, OPS RESRCH, RELATE	3,070	4,500	1,430	46.6	400		
102	25100	COMPUTER SCIENTISTS AND RELATED	2,950	4,360	1,410	47.8	370		
103	25102	SYSTEMS ANALYSTS--ELEC DATA PROC	610	1,030	420	68.9	30	5	BACHELOR'S DEGREE
104	25103	DATA BASE ADMINISTRATORS	190	260	70	36.8	30	5	BACHELOR'S DEGREE
105	25104	COMPUTER SUPPORT SPECIALISTS	900	1,490	590	65.6	50	5	BACHELOR'S DEGREE
106	25105	COMPUTER PROGRAMMERS	870	1,030	160	18.4	210	5	BACHELOR'S DEGREE
107	25108	COMPUTER PROGRAMMER AIDES	180	180	0	0.0	40	5	BACHELOR'S DEGREE
109	25199	COMPUTER SCIENTISTS, REL WRKRS,NEC	200	370	170	85.0	10	5	BACHELOR'S DEGREE
110	25300	MATH SCIENTISTS AND RELATED	120	140	20	16.7	30		
111	25302	OPS, SYS RESEARCHERS--EX COMPUTER	120	140	20	16.7	30	3	MASTER'S DEGREE
118	27000	SOCIAL SCI, RECREATION, RELIGIOUS	6,540	8,490	1,950	29.8	1,040		
119	27100	SOCIAL SCI--INCL URBAN, REG PLNERS	620	770	150	24.2	90		
121	27105	URBAN AND REGIONAL PLANNERS	190	240	50	26.3	30	3	MASTER'S DEGREE
122	27108	PSYCHOLOGISTS	430	530	100	23.3	60	3	MASTER'S DEGREE

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**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
124	27300	OTH SOCIAL SCIENCE RELATED WORKERS	4,970	6,700	1,730	34.8	830		
125	27302	SOCIAL WORKERS--MED, PSYCHIATRIC	800	1,070	270	33.8	80	3	MASTER'S DEGREE
126	27305	SOCIAL WKRS--EX MED, PSYCHIATRIC	1,100	1,520	420	38.2	120	5	BACHELOR'S DEGREE
127	27307	RESIDENTIAL COUNSELORS	970	1,340	370	38.1	180	5	BACHELOR'S DEGREE
128	27308	HUMAN SERVICES WORKERS	470	700	230	48.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
129	27311	RECREATION WORKERS	1,630	2,070	440	27.0	340	5	BACHELOR'S DEGREE
130	27500	RELIGIOUS WORKERS	950	1,020	70	7.4	120		
131	27502	CLERGY	510	530	20	3.9	70	1	FIRST PROFESSIONAL DEGREE
132	27505	DIRECTORS--RELIG ACTIVITIES, EDUC	440	490	50	11.4	50	5	BACHELOR'S DEGREE
134	28000	LAW AND RELATED OCCUPATIONS	1,250	1,640	390	31.2	120		
135	28100	LAWYERS AND RELATED WORKERS	880	1,130	250	28.4	90		
136	28102	JUDGES AND MAGISTRATES	160	180	20	12.5	20	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
137	28105	ADJUDICATORS, JUDICIAL REVIEWERS	270	310	40	14.8	30	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
138	28108	LAWYERS	450	640	190	42.2	40	1	FIRST PROFESSIONAL DEGREE
139	28300	LEGAL ASSTS, TECHS, EX CLERICAL	370	510	140	37.8	30		
141	28305	PARALEGAL PERSONNEL	130	220	90	69.2	10	6	ASSOCIATE DEGREE
144	28399	LEGAL ASSTS, TECHS--EX CLER, NEC	240	290	50	20.8	20	6	ASSOCIATE DEGREE
145	31000	TEACHERS, EDUCATORS, LIBRARIANS	40,230	52,810	12,580	31.3	6,900		

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			1999 (2)	2006					
146	31100	POSTSECONDARY TEACHERS	3,030	3,980	950	31.4	670		
148	31114	NURSING INSTRUCTORS, POSTSECONDARY	230	300	70	30.4	40	3	MASTER'S DEGREE
149	31117	GRADUATE ASSISTANTS, TEACHING	170	220	50	29.4	40	3	MASTER'S DEGREE
151	31202	LIFE SCIENCES TEACHERS, POSTSECOND	160	230	70	43.8	40	2	DOCTORAL DEGREE
156	31212	HEALTH ASSESS & TREAT TEACHERS, PO	120	170	50	41.7	30	2	DOCTORAL DEGREE
158	31214	ENGLISH LANG & LIT TEACHERS, POSTS	300	390	90	30.0	70	2	DOCTORAL DEGREE
160	31218	ART, DRAMA, MUSIC TEACHERS, POSTSE	190	240	50	26.3	40	2	DOCTORAL DEGREE
163	31224	MATHEMATICAL SCIENCES TEACHERS, PO	250	320	70	28.0	50	2	DOCTORAL DEGREE
164	31226	COMPUTER SCIENCE TEACHERS, POSTSEC	150	220	70	46.7	40	2	DOCTORAL DEGREE
172	31237	PSYCHOLOGY TEACHERS, POSTSECONDARY	190	240	50	26.3	40	2	DOCTORAL DEGREE
174	31242	BUSINESS TEACHERS, POSTSECONDARY	260	340	80	30.8	60	2	DOCTORAL DEGREE
176	31246	CRIMINAL JUSTICE & LAW ENFORCE TEA	110	140	30	27.3	20	2	DOCTORAL DEGREE
183	31299	POSTSECONDARY TEACHERS, NEC	900	1,170	270	30.0	200	2	DOCTORAL DEGREE
184	31300	OTHER TEACHERS AND INSTRUCTORS	29,690	38,430	8,740	29.4	5,330		
185	31303	TEACHERS, PRESCHOOL	1,630	2,180	550	33.7	280	5	BACHELOR'S DEGREE
186	31304	TEACHERS, KINDERGARTEN	1,220	1,530	310	25.4	200	5	BACHELOR'S DEGREE
187	31305	TEACHERS--ELEMENTARY SCHOOL	10,030	12,470	2,440	24.3	1,780	5	BACHELOR'S DEGREE
188	31308	TEACHERS--SECONDARY SCHOOL	9,710	12,930	3,220	33.2	2,510	5	BACHELOR'S DEGREE
189	31311	TEACHERS--SPECIAL EDUCATION	2,350	3,330	980	41.7	160	5	BACHELOR'S DEGREE
190	31314	TEACHERS--VOC ED AND TRAINING	1,420	1,810	390	27.5	120	8	WORK EXPERIENCE
191	31317	INSTRUCTORS--NON-VOC EDUCATION	410	550	140	34.1	40	8	WORK EXPERIENCE
192	31321	INSTRUCTORS AND COACHES--SPORTS	1,300	1,680	380	29.2	110	10	MODERATE-TERM ON-THE-JOB TRAINING
194	31399	TEACHERS AND INSTRUCTORS, NEC	1,620	1,950	330	20.4	130	3	MASTER'S DEGREE
195	31500	LIBRARIANS, ARCHIVISTS AND RELATED	7,510	10,400	2,890	38.5	900		
196	31502	LIBRARIANS--PROFESSIONAL	330	380	50	15.2	60	3	MASTER'S DEGREE

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			1999 (2)	2006					
197	31505	TECHNICAL ASSISTANTS--LIBRARY	410	520	110	26.8	90	11	SHORT-TERM ON-THE-JOB TRAINING
200	31514	VOCATIONAL & EDUCATIONAL COUNSELOR	1,130	1,510	380	33.6	210	3	MASTER'S DEGREE
201	31517	INSTRUCTIONAL COORDINATORS	310	440	130	41.9	30	5	BACHELOR'S DEGREE
202	31521	TEACHER AIDES, PARAPROFESSIONAL	5,330	7,550	2,220	41.7	510	6	ASSOCIATE DEGREE
203	32000	HEALTH PRACTITIONERS, TECHS, RELAT	25,100	30,840	5,740	22.9	3,660		
204	32100	HEALTH DIAGNOSING, TREATING	2,550	3,050	500	19.6	320		
205	32102	PHYSICIANS AND SURGEONS	2,010	2,470	460	22.9	240	1	FIRST PROFESSIONAL DEGREE
206	32105	DENTISTS	330	350	20	6.1	50	1	FIRST PROFESSIONAL DEGREE
207	32108	OPTOMETRISTS	210	230	20	9.5	30	1	FIRST PROFESSIONAL DEGREE
212	32300	THERAPISTS	1,780	2,370	590	33.1	210		
213	32302	RESPIRATORY THERAPISTS	500	710	210	42.0	60	6	ASSOCIATE DEGREE
214	32305	OCCUPATIONAL THERAPISTS	210	260	50	23.8	30	5	BACHELOR'S DEGREE
215	32308	PHYSICAL THERAPISTS	440	540	100	22.7	50	5	BACHELOR'S DEGREE
217	32314	SPEECH PATHOLOGISTS, AUDIOLOGISTS	430	620	190	44.2	50	3	MASTER'S DEGREE
219	32399	THERAPISTS, NEC	200	240	40	20.0	20	5	BACHELOR'S DEGREE
220	32500	HEALTH CARE MAINTENANCE, TREATING	13,920	16,770	2,850	20.5	1,990		
221	32502	REGISTERED NURSES	8,830	10,640	1,810	20.5	1,100	6	ASSOCIATE DEGREE
222	32505	LICENSED PRACTICAL NURSES	2,430	2,840	410	16.9	390	7	POST-SECONDARY VOCATIONAL EDUCATION
223	32508	EMERGENCY MEDICAL TECHNICIANS	900	1,140	240	26.7	180	7	POST-SECONDARY VOCATIONAL EDUCATION
224	32511	PHYSICIAN'S ASSISTANTS	140	180	40	28.6	20	5	BACHELOR'S DEGREE
225	32514	OPTICIANS--DISPENSING, MEASURING	230	280	50	21.7	20	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
226	32517	PHARMACISTS	750	880	130	17.3	160	5	BACHELOR'S DEGREE
227	32518	PHARMACY TECHNICIANS	460	580	120	26.1	90	10	MODERATE-TERM ON-THE-JOB TRAINING
228	32521	DIETITIANS AND NUTRITIONISTS	180	230	50	27.8	30	5	BACHELOR'S DEGREE
230	32900	OTHER HEALTH PROFS, PARAPROFS	6,850	8,650	1,800	26.3	1,140		
231	32902	MED, CLINICAL LAB TECHNOLOGISTS	560	630	70	12.5	50	5	BACHELOR'S DEGREE
232	32905	MED, CLINICAL LAB ASSISTANTS	450	530	80	17.8	40	6	ASSOCIATE DEGREE
233	32908	DENTAL HYGIENISTS	620	730	110	17.7	100	6	ASSOCIATE DEGREE
234	32911	MEDICAL RECORDS TECHNICIANS	390	520	130	33.3	80	6	ASSOCIATE DEGREE
237	32919	RADIOLOGIC TECHNOLOGISTS	660	780	120	18.2	70	6	ASSOCIATE DEGREE
241	32928	SURGICAL TECHNICIANS	270	380	110	40.7	60	7	POST-SECONDARY VOCATIONAL EDUCATION
242	32931	PSYCHIATRIC TECHNICIANS	320	350	30	9.4	30	6	ASSOCIATE DEGREE
243	32951	VETERINARY TECHNICIANS & TECHNOLOG	150	190	40	26.7	30	6	ASSOCIATE DEGREE
244	32999	HEALTH CARE PROFS, PARAPROFS, NEC	3,430	4,540	1,110	32.4	680	6	ASSOCIATE DEGREE
245	34000	WRITERS, ARTISTS, ENTER, ATHLETES	3,090	3,900	810	26.2	440		
246	34002	WRITERS AND EDITORS	200	260	60	30.0	40	5	BACHELOR'S DEGREE
248	34008	PUB REL SPECS, PUBLICITY WRITERS	150	190	40	26.7	30	5	BACHELOR'S DEGREE
249	34011	REPORTERS AND CORRESPONDENTS	140	160	20	14.3	30	5	BACHELOR'S DEGREE
251	34017	ANNOUNCERS--RADIO AND TELEVISION	130	120	-10	-7.7	20	9	LONG-TERM ON-THE-JOB TRAINING
253	34023	PHOTOGRAPHERS	210	250	40	19.0	20	10	Moderate-term on-the-job training
257	34035	ARTISTS AND RELATED WORKERS	380	500	120	31.6	60	4	WORK EXP., PLUS A BACHELOR'S OR HIGHER
258	34038	DESIGNERS, EX INTERIOR DESIGNERS	890	1,220	330	37.1	110	5	BACHELOR'S DEGREE
259	34041	INTERIOR DESIGNERS	160	220	60	37.5	20	5	BACHELOR'S DEGREE
260	34044	MERCH DISPLAYERS, WINDOW TRIMMERS	280	380	100	35.7	30	5	BACHELOR'S DEGREE
261	34047	MUSIC DIRECTORS, SINGERS, COMPOSERS	210	220	10	4.8	30	9	LONG-TERM ON-THE-JOB TRAINING
262	34051	MUSICIANS--INSTRUMENTAL	340	380	40	11.8	50	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
266	39000	MISC PROFS, PARAPROFS, TECHNICAL	5,330	6,900	1,570	29.5	1,000		
267	39002	AIR DISPATCHERS, AIR TRAFFIC CONTR	100	140	40	40.0	20	9	LONG-TERM ON-THE-JOB TRAINING
272	39999	OTHER PROF, PARAPROF, TECHNICAL	5,230	6,760	1,530	29.3	980	5	BACHELOR'S DEGREE
273	40000	SALES AND RELATED OCCUPATIONS	62,710	77,740	15,030	24.0	15,120		
274	41000	FIRST-LINE SUP/MGR--SALES	7,700	9,830	2,130	27.7	790		
275	41002	FIRST-LINE SUP/MGR--SALES	7,700	9,830	2,130	27.7	790	8	WORK EXPERIENCE
276	43000	SALES AGENTS--SERVICE	2,840	3,580	740	26.1	480		
277	43002	SALES AGENTS, PLACERS--INSURANCE	550	610	60	10.9	90	9	LONG-TERM ON-THE-JOB TRAINING
279	43008	SALES AGENTS--REAL ESTATE	340	400	60	17.6	50	7	POST-SECONDARY VOCATIONAL EDUCATION
281	43014	SALES AGENTS--FINANCIAL SERVICES	290	430	140	48.3	20	9	LONG-TERM ON-THE-JOB TRAINING
282	43017	SALES AGENTS--SEL BUS SERVICES	950	1,250	300	31.6	160	10	MODERATE-TERM ON-THE-JOB TRAINING
283	43021	TRAVEL AGENTS	120	150	30	25.0	20	7	POST-SECONDARY VOCATIONAL EDUCATION
284	43023	SALES AGENTS--ADVERTISING	370	470	100	27.0	80	10	MODERATE-TERM ON-THE-JOB TRAINING
285	43099	SALES REPS, SERVICE--NEC	220	270	50	22.7	60	10	MODERATE-TERM ON-THE-JOB TRAINING
286	49000	MERCH, PRODUCTS AND OTHER SALES	52,170	64,330	12,160	23.3	13,850		
287	49002	SALES ENGINEERS	170	230	60	35.3	30	5	BACHELOR'S DEGREE
288	49005	SALES REPS, SCIENTIFIC--EX RETAIL	1,310	1,780	470	35.9	260	10	MODERATE-TERM ON-THE-JOB TRAINING
289	49008	SALES REPS, NON-SCIENTIFIC EX RET	4,070	5,290	1,220	30.0	800	10	MODERATE-TERM ON-THE-JOB TRAINING

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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
290	49011	SALESPERSONS, RETAIL	19,430	23,780	4,350	22.4	5,220	11	SHORT-TERM ON-THE-JOB TRAINING
291	49014	SALESPERSONS--PARTS	1,920	2,300	380	19.8	430	10	MODERATE-TERM ON-THE-JOB TRAINING
292	49017	COUNTER AND RENTAL CLERKS	2,120	2,930	810	38.2	780	11	SHORT-TERM ON-THE-JOB TRAINING
293	49021	STOCK CLERKS--SALES FLOOR	6,350	6,880	530	8.3	690	11	SHORT-TERM ON-THE-JOB TRAINING
294	49023	CASHIERS	13,980	17,400	3,420	24.5	4,990	11	SHORT-TERM ON-THE-JOB TRAINING
295	49026	TELEMARKETERS, SOLICITORS & RELATE	1,220	1,650	430	35.2	260	11	SHORT-TERM ON-THE-JOB TRAINING
296	49034	DEMONSTRATORS AND PROMOTERS	170	240	70	41.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
298	49999	SALES AND RELATED WORKERS, NEC	1,430	1,850	420	29.4	350	10	MODERATE-TERM ON-THE-JOB TRAINING
299	50000	CLERICAL, ADMINISTRATIVE SUPPORT	84,750	102,220	17,470	20.6	13,860		
300	51000	FIRST-LINE SUP/MGR, CLERL, ADM SUP	6,120	7,740	1,620	26.5	1,080		
301	51002	FIRST-LINE SUP/MGR, CLERL, ADM SUP	6,120	7,740	1,620	26.5	1,080	8	WORK EXPERIENCE
302	53000	INDUSTRY SPECIFIC CLERICAL, ADMIN	10,710	13,720	3,010	28.1	1,990		
303	53100	BANKING, SECURITY, FINANCE, CREDIT	4,460	5,710	1,250	28.0	980		
304	53102	TELLERS	2,130	2,690	560	26.3	740	11	SHORT-TERM ON-THE-JOB TRAINING
305	53105	NEW ACCOUNTS CLERKS	400	590	190	47.5	110	8	WORK EXPERIENCE
308	53114	CREDIT AUTHORIZERS	130	130	0	0.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
310	53121	LOAN AND CREDIT CLERKS	940	1,170	230	24.5	80	11	SHORT-TERM ON-THE-JOB TRAINING
311	53123	ADJUSTMENT CLERKS	860	1,130	270	31.4	40	11	SHORT-TERM ON-THE-JOB TRAINING
314	53300	INSURANCE WORKERS	850	970	120	14.1	100		
315	53302	INS ADJUST, EXAMIN, INVESTIGATORS	300	350	50	16.7	40	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
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LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
318	53311	INSURANCE CLAIMS CLERKS	240	280	40	16.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
319	53314	INSURANCE POLICY PROCESSING CLERKS	310	340	30	9.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
320	53500	INVESTIGATIVE, RELATED, EX INSUR	1,360	1,730	370	27.2	270		
321	53502	WELFARE ELIG WORKERS, INTERVIEWERS	260	290	30	11.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
323	53508	BILL AND ACCOUNT COLLECTORS	1,100	1,440	340	30.9	230	11	SHORT-TERM ON-THE-JOB TRAINING
328	53800	LODGING AND TRAVEL WORKERS	1,250	1,510	260	20.8	250		
330	53805	RESERVATION, TRANS TICKET AGENTS	950	1,110	160	16.8	150	11	SHORT-TERM ON-THE-JOB TRAINING
331	53808	HOTEL DESK CLERKS	300	400	100	33.3	100	11	SHORT-TERM ON-THE-JOB TRAINING
332	53900	MISC INDUSTRY SPECIFIC CLERICAL	2,790	3,800	1,010	36.2	390		
333	53902	LIBRARY ASSTS & BOOKMOBILE DRIVERS	430	530	100	23.3	170	11	SHORT-TERM ON-THE-JOB TRAINING
334	53905	TEACHER AIDES & EDUC ASSTS, CLERIC	2,360	3,270	910	38.6	220	11	SHORT-TERM ON-THE-JOB TRAINING
338	55000	SECRETARIAL, GENERAL OFFICE OCCS	45,190	52,960	7,770	17.2	7,530		
339	55100	SECRETARIES	9,860	11,260	1,400	14.2	1,190		
340	55102	SECRETARIES, LEGAL	610	830	220	36.1	80	7	POST-SECONDARY VOCATIONAL EDUCATION
341	55105	SECRETARIES, MEDICAL	520	560	40	7.7	60	7	POST-SECONDARY VOCATIONAL EDUCATION
342	55108	SECRETARIES, GENERAL	8,730	9,870	1,140	13.1	1,050	7	POST-SECONDARY VOCATIONAL EDUCATION
343	55300	MISC SECRETARIAL, GENL OFF OCCS	35,330	41,700	6,370	18.0	6,340		
344	55302	STENOGRAPHERS AND/OR COURT REPORTER	290	350	60	20.7	40	7	POST-SECONDARY VOCATIONAL EDUCATION
345	55305	RECEPTIONISTS, INFORMATION CLERKS	4,860	6,040	1,180	24.3	740	11	SHORT-TERM ON-THE-JOB TRAINING
346	55307	TYPISTS, INCLUDING WORD PROCESSING	2,660	2,440	-220	-8.3	350	10	MODERATE-TERM ON-THE-JOB TRAINING
347	55314	PERS CLERKS--EX PAYROLL	660	740	80	12.1	90	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
349	55321	FILE CLERKS	1,470	1,670	200	13.6	390	11	SHORT-TERM ON-THE-JOB TRAINING
350	55323	ORDER CLERKS--MATERIALS, SERVICE	1,590	1,940	350	22.0	290	11	SHORT-TERM ON-THE-JOB TRAINING
351	55326	PROCUREMENT CLERKS	270	300	30	11.1	30	11	SHORT-TERM ON-THE-JOB TRAINING
352	55328	STATISTICAL CLERKS	120	130	10	8.3	10	10	MODERATE-TERM ON-THE-JOB TRAINING
353	55332	INTERVIEW CLERKS--EX PERS, WELFARE	320	390	70	21.9	80	11	SHORT-TERM ON-THE-JOB TRAINING
354	55335	CUSTOMER SERVICE REPS--UTILITIES	530	610	80	15.1	90	11	SHORT-TERM ON-THE-JOB TRAINING
355	55338	BOOKKEEPING, ACCOUNTING CLERKS	6,990	7,970	980	14.0	970	10	MODERATE-TERM ON-THE-JOB TRAINING
356	55341	PAYROLL AND TIMEKEEPING CLERKS	720	780	60	8.3	100	11	SHORT-TERM ON-THE-JOB TRAINING
357	55344	BILLING, COST, AND RATE CLERKS	1,330	1,590	260	19.5	200	11	SHORT-TERM ON-THE-JOB TRAINING
358	55347	GENERAL OFFICE CLERKS	13,520	16,750	3,230	23.9	2,960	11	SHORT-TERM ON-THE-JOB TRAINING
359	56000	EDP AND OFFICE MACHINE OCCUPATIONS	3,010	3,440	430	14.3	420		
360	56002	BILLING, POSTING, CALC MACHINE OPS	380	410	30	7.9	50	11	SHORT-TERM ON-THE-JOB TRAINING
361	56005	DUPLICATING MACHINE OPERATORS	190	240	50	26.3	50	11	SHORT-TERM ON-THE-JOB TRAINING
362	56008	MAIL MACH OPS--PREP AND HANDLING	130	180	50	38.5	30	11	SHORT-TERM ON-THE-JOB TRAINING
363	56011	COMPUTER OPS--EX PERIPHERAL EQUIP	500	480	-20	-4.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
365	56017	DATA ENTRY KEYERS--EX COMPOSING	1,050	1,200	150	14.3	60	7	POST-SECONDARY VOCATIONAL EDUCATION
367	56099	OFFICE MACHINE OPERATORS, NEC	760	930	170	22.4	180	11	SHORT-TERM ON-THE-JOB TRAINING
368	57000	COMMUNICATIONS, MAIL DISTRIBUTION	3,400	4,100	700	20.6	660		
369	57100	COMMUNICATION EQUIPMENT OPERATORS	720	730	10	1.4	110		
370	57102	SWITCHBOARD OPERATORS	720	730	10	1.4	110	11	SHORT-TERM ON-THE-JOB TRAINING
375	57300	MAIL, MESSAGE DISTRIBUTION WORKERS	2,680	3,370	690	25.7	550		
376	57302	MAIL CLK'S-EX MAIL MACH OPS, POSTAL	290	340	50	17.2	50	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
377	57305	POSTAL MAIL CARRIERS	1,830	2,350	520	28.4	410	11	SHORT-TERM ON-THE-JOB TRAINING
378	57308	POSTAL SERVICE CLERKS	220	290	70	31.8	30	11	SHORT-TERM ON-THE-JOB TRAINING
379	57311	MESSENGERS	340	390	50	14.7	60	11	SHORT-TERM ON-THE-JOB TRAINING
380	58000	MATERIAL RECORDING, DISPATCHING	13,500	16,720	3,220	23.9	1,810		
381	58002	DISPATCH--POLICE, FIRE, AMBULANCE	350	410	60	17.1	40	10	MODERATE-TERM ON-THE-JOB TRAINING
382	58005	DISPATCH--EX POLICE, FIRE, AMBUL	890	1,110	220	24.7	110	10	MODERATE-TERM ON-THE-JOB TRAINING
383	58008	PROD, PLANNING, EXPEDITING CLERKS	920	1,100	180	19.6	80	11	SHORT-TERM ON-THE-JOB TRAINING
384	58011	TRANSPORTATION AGENTS	120	150	30	25.0	10	11	SHORT-TERM ON-THE-JOB TRAINING
385	58014	METER READERS--UTILITIES	350	420	70	20.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
386	58017	WEIGHERS, MEASURERS--RECORDKEEPING	270	350	80	29.6	60	11	SHORT-TERM ON-THE-JOB TRAINING
387	58021	MARKING CLERKS	160	170	10	6.3	30	11	SHORT-TERM ON-THE-JOB TRAINING
388	58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	4,090	5,190	1,100	26.9	480	11	SHORT-TERM ON-THE-JOB TRAINING
389	58026	ORDER FILLERS--WHLE & RET SALES	840	1,190	350	41.7	170	11	SHORT-TERM ON-THE-JOB TRAINING
390	58028	TRAFFIC, SHIPPING, RECEIVING CLKS	4,660	5,610	950	20.4	590	11	SHORT-TERM ON-THE-JOB TRAINING
391	58099	MATERIAL RECORDING, RELATED, NEC	850	1,020	170	20.0	170	11	SHORT-TERM ON-THE-JOB TRAINING
392	59000	CLERICAL, ADMIN SUPPORT, NEC	2,820	3,540	720	25.5	370	11	SHORT-TERM ON-THE-JOB TRAINING
394	60000	SERVICE OCCUPATIONS	80,100	98,970	18,870	23.6	20,720		
395	61000	FIRST-LINE SUP/MGR--SERVICE	4,370	5,580	1,210	27.7	850		
396	61002	FIRE FIGHTING & PREVENTION SUPS	430	500	70	16.3	110	8	WORK EXPERIENCE
397	61005	POLICE AND DETECTIVE SUPERVISORS	400	490	90	22.5	90	8	WORK EXPERIENCE

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			1999 (2)	2006					
398	61008	HOUSEKEEPING SUPERVISORS	250	300	50	20.0	40	8	WORK EXPERIENCE
399	61099	FIRST-LINE SUP/MGR SERV WKRS, NEC	3,290	4,290	1,000	30.4	610	8	WORK EXPERIENCE
400	63000	PROTECTIVE SERVICE OCCUPATIONS	12,360	15,920	3,560	28.8	2,840		
403	63008	FIRE FIGHTERS	2,660	3,070	410	15.4	480	9	LONG-TERM ON-THE-JOB TRAINING
404	63011	POLICE DETECTIVES	210	270	60	28.6	40	8	WORK EXPERIENCE
405	63014	POLICE PATROL OFFICERS	2,390	3,280	890	37.2	520	9	LONG-TERM ON-THE-JOB TRAINING
406	63017	CORRECTION OFFICERS, JAILERS	1,680	2,230	550	32.7	370	9	LONG-TERM ON-THE-JOB TRAINING
411	63032	SHERIFFS AND DEPUTY SHERIFFS	120	170	50	41.7	10	9	LONG-TERM ON-THE-JOB TRAINING
412	63035	DETECTIVES, INVESTIGATORS--EX PUB	150	160	10	6.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
415	63044	CROSSING GUARDS	430	500	70	16.3	100	11	SHORT-TERM ON-THE-JOB TRAINING
416	63047	GUARDS AND WATCH GUARDS	3,870	5,170	1,300	33.6	790	11	SHORT-TERM ON-THE-JOB TRAINING
417	63099	PROTECTIVE SERVICE WORKERS, NEC	850	1,070	220	25.9	500	11	SHORT-TERM ON-THE-JOB TRAINING
418	65000	FOOD, BEV PREP AND SERVICE OCCS	35,330	42,380	7,050	20.0	12,670		
419	65002	HOSTS, HOSTesses--RESTAURANTS	1,060	1,340	280	26.4	260	11	SHORT-TERM ON-THE-JOB TRAINING
420	65005	BARTENDERS	1,070	1,230	160	15.0	340	11	SHORT-TERM ON-THE-JOB TRAINING
421	65008	WAITERS AND WAITRESSES	6,430	7,890	1,460	22.7	2,790	11	SHORT-TERM ON-THE-JOB TRAINING
422	65011	FOOD SERVERS--OUTSIDE	100	150	50	50.0	80	11	SHORT-TERM ON-THE-JOB TRAINING
423	65014	DINING RM ATTENDANTS, BAR HELPERS	1,490	1,700	210	14.1	360	11	SHORT-TERM ON-THE-JOB TRAINING
424	65017	COUNTER ATTENDANTS--FOOD	900	1,050	150	16.7	620	11	SHORT-TERM ON-THE-JOB TRAINING
425	65021	BAKERS--BREAD AND PASTRY	830	990	160	19.3	170	10	MODERATE-TERM ON-THE-JOB TRAINING
426	65023	BUTCHERS AND MEAT CUTTERS	840	830	-10	-1.2	140	9	LONG-TERM ON-THE-JOB TRAINING
427	65026	COOKS--RESTAURANT	3,000	3,790	790	26.3	640	9	LONG-TERM ON-THE-JOB TRAINING
428	65028	COOKS--INSTITUTION OR CAFETERIA	1,160	1,310	150	12.9	230	9	LONG-TERM ON-THE-JOB TRAINING
429	65032	COOKS--SPECIALTY FAST FOOD	2,890	3,620	730	25.3	610	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
430	65035	COOKS--SHORT ORDER	380	470	90	23.7	80	11	SHORT-TERM ON-THE-JOB TRAINING
431	65038	FOOD PREPARATION WORKERS	5,960	7,000	1,040	17.4	2,530	11	SHORT-TERM ON-THE-JOB TRAINING
432	65041	COMBINED FOOD PREP AND SERVICE	8,140	9,730	1,590	19.5	3,480	11	SHORT-TERM ON-THE-JOB TRAINING
433	65099	FOOD SERVICE WORKERS, NEC	1,080	1,280	200	18.5	340	11	SHORT-TERM ON-THE-JOB TRAINING
434	66000	HEALTH SERVICE, RELATED OCCS	9,330	11,710	2,380	25.5	1,300		
435	66002	DENTAL ASSISTANTS	1,110	1,330	220	19.8	130	10	MODERATE-TERM ON-THE-JOB TRAINING
436	66005	MEDICAL ASSISTANTS	1,800	2,380	580	32.2	360	10	MODERATE-TERM ON-THE-JOB TRAINING
437	66008	NURSE AIDES, ORDERLIES, ATTENDANTS	4,340	5,370	1,030	23.7	470	11	SHORT-TERM ON-THE-JOB TRAINING
438	66011	HOME HEALTH AIDES	360	490	130	36.1	40	11	SHORT-TERM ON-THE-JOB TRAINING
439	66014	PSYCHIATRIC AIDES	280	340	60	21.4	30	11	SHORT-TERM ON-THE-JOB TRAINING
440	66017	PHYSICAL THERAPY ASSISTANTS & AIDE	320	420	100	31.3	60	10	MODERATE-TERM ON-THE-JOB TRAINING
441	66021	OCCUPATIONAL THERAPY ASSISTANTS	110	150	40	36.4	20	10	MODERATE-TERM ON-THE-JOB TRAINING
443	66026	PHARMACY AIDES	400	490	90	22.5	80	11	SHORT-TERM ON-THE-JOB TRAINING
444	66099	HEALTH SERVICE WORKERS, NEC	610	740	130	21.3	110	11	SHORT-TERM ON-THE-JOB TRAINING
445	67000	CLEANING, BLDING SERV EX PRIV HOUS	11,110	13,510	2,400	21.6	1,820		
446	67002	MAIDS AND HOUSEKEEPING CLEANERS	2,810	3,450	640	22.8	410	11	SHORT-TERM ON-THE-JOB TRAINING
447	67005	JANITORS, CLEANERS--EXCEPT MAIDS	7,140	8,640	1,500	21.0	1,210	11	SHORT-TERM ON-THE-JOB TRAINING
448	67008	PEST CONTROLLERS AND ASSISTANTS	300	430	130	43.3	60	10	MODERATE-TERM ON-THE-JOB TRAINING
450	67099	CLEANING, BLDING SERV--EX PH, NEC	860	990	130	15.1	140	11	SHORT-TERM ON-THE-JOB TRAINING
451	68000	MISC PERSONAL SERVICE OCCUPATIONS	6,150	7,980	1,830	29.8	910		
453	68005	HAIRDRESSERS, HAIRSTYLISTS	760	880	120	15.8	150	7	POST-SECONDARY VOCATIONAL EDUCATION
454	68008	MANICURISTS	380	490	110	28.9	80	7	POST-SECONDARY VOCATIONAL EDUCATION

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			1999 (2)	2006					
456	68014	AMUSEMENT, RECREATION ATTENDANTS	1,780	2,240	460	25.8	280	11	SHORT-TERM ON-THE-JOB TRAINING
458	68021	USHERS, LOBBY ATTENDANTS	300	410	110	36.7	50	11	SHORT-TERM ON-THE-JOB TRAINING
459	68023	BAGGAGE PORTERS AND BELLHOPS	130	170	40	30.8	20	11	SHORT-TERM ON-THE-JOB TRAINING
460	68026	FLIGHT ATTENDANTS	210	280	70	33.3	40	9	LONG-TERM ON-THE-JOB TRAINING
463	68035	PERSONAL AND HOME CARE AIDES	610	840	230	37.7	130	11	SHORT-TERM ON-THE-JOB TRAINING
464	68038	CHILD CARE WORKERS	1,980	2,670	690	34.8	160	11	SHORT-TERM ON-THE-JOB TRAINING
466	69000	MISC SERVICE WORKERS	1,450	1,890	440	30.3	330	8	WORK EXPERIENCE
468	70000	AGRICULTURAL, FORESTRY, FISHING	6,680	8,970	2,290	34.3	1,560		
469	72000	FIRST-LINE SUP/MGR--AG, FOR, FISH	150	190	40	26.7	20		
470	72002	FIRST-LINE SUPERVISORS - AGRICULTU	150	190	40	26.7	20	8	WORK EXPERIENCE
477	79000	MISC AG, FORESTRY, FISHING	6,530	8,780	2,250	34.5	1,540		
478	79002	FOREST, CONSERVATION WORKERS	230	270	40	17.4	40	11	SHORT-TERM ON-THE-JOB TRAINING
480	79011	GRADERS, SORTERS--AG PRODUCTS	270	360	90	33.3	60	11	SHORT-TERM ON-THE-JOB TRAINING
483	79017	ANIMAL CARETAKERS--EXCEPT FARM	260	360	100	38.5	30	11	SHORT-TERM ON-THE-JOB TRAINING
487	79041	LABORERS, LANDSCAPING/GROUNDSKEEPI	5,270	7,090	1,820	34.5	1,310	11	SHORT-TERM ON-THE-JOB TRAINING
488	79806	VETERINARY ASSISTANTS	190	270	80	42.1	20	11	SHORT-TERM ON-THE-JOB TRAINING
491	79999	AG, FORESTRY, FISHING--NEC	310	430	120	38.7	80	11	SHORT-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
492	80000	PROD, CONST, OPER, MAT HANDLING	150,060	194,360	44,300	29.5	28,470		
493	81000	FIRST-LINE SUP/MGR-BLUE COLLAR	8,370	10,840	2,470	29.5	1,860		
494	81002	FIRST-LINE SUP/MGR-MECH, REPAIRERS	2,200	2,850	650	29.5	520	8	WORK EXPERIENCE
495	81005	FIRST-LINE SUP/MGR-CONSTRUCTION	1,360	1,770	410	30.1	290	8	WORK EXPERIENCE
496	81008	FIRST-LINE SUP/MGR-PRODUCTION	2,180	2,810	630	28.9	490	8	WORK EXPERIENCE
497	81011	FIRST-LINE SUP/MGR-TRANSPORTATION	570	740	170	29.8	120	8	WORK EXPERIENCE
498	81017	FIRST-LINE SUP/MGR-HELP, LABORERS	890	1,160	270	30.3	190	8	WORK EXPERIENCE
499	81099	FIRST-LINE SUP/MGR-BLUE COLLAR NEC	1,170	1,510	340	29.1	250	8	WORK EXPERIENCE
500	83000	INSPECTORS, RELATED OCCUPATIONS	2,670	3,240	570	21.3	460		
501	83002	INSPECTORS,TESTERS,& GRADERS,PRECISION	550	620	70	12.7	80	8	WORK EXPERIENCE
502	83005	PROD INSPECTORS, TESTERS, & GRADER	1,320	1,590	270	20.5	230	8	WORK EXPERIENCE
503	83008	TRANSPORTATION INSPECTORS	100	130	30	30.0	20	8	WORK EXPERIENCE
504	83099	INSPECTORS, TESTERS, RELATED, NEC	700	900	200	28.6	130	8	WORK EXPERIENCE
505	85000	MECHANICS, INSTALLERS, REPAIRERS	20,280	25,750	5,470	27.0	3,800		
506	85100	MACHINERY AND RELATED MECHANICS	7,510	9,260	1,750	23.3	1,320		
507	85110	MACHINERY MAINTENANCE MECHANICS	1,060	1,400	340	32.1	190	9	LONG-TERM ON-THE-JOB TRAINING
512	85118	MAINT MECHANICS--WATER, POWER	230	280	50	21.7	40	9	LONG-TERM ON-THE-JOB TRAINING
513	85119	MACHINERY MAINT MECHANICS, NEC	210	260	50	23.8	40	9	LONG-TERM ON-THE-JOB TRAINING
514	85123	MILLWRIGHTS	220	310	90	40.9	50	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
516	85128	MACHINERY MAINTENANCE WORKERS	500	640	140	28.0	90	9	LONG-TERM ON-THE-JOB TRAINING
517	85132	MAINT REPAIRERS, GENL UTILITY	5,290	6,370	1,080	20.4	910	9	LONG-TERM ON-THE-JOB TRAINING
518	85300	MOBILE EQUIP MECHANICS, REPAIRERS	6,840	8,980	2,140	31.3	1,370		
519	85302	AUTOMOTIVE MECHANICS	2,550	3,270	720	28.2	510	9	LONG-TERM ON-THE-JOB TRAINING
520	85305	AUTOMOTIVE BODY, RELATED REPAIRERS	1,090	1,460	370	33.9	260	9	LONG-TERM ON-THE-JOB TRAINING
522	85311	BUS AND TRUCK MECHANICS	1,670	2,230	560	33.5	300	9	LONG-TERM ON-THE-JOB TRAINING
523	85314	MOBILE HEAVY EQUIP MECH--EX ENGINE	710	960	250	35.2	150	9	LONG-TERM ON-THE-JOB TRAINING
524	85317	RAIL CAR REPAIRERS	120	160	40	33.3	30	9	LONG-TERM ON-THE-JOB TRAINING
526	85323	AIRCRAFT MECHANICS	550	700	150	27.3	90	7	POST-SECONDARY VOCATIONAL EDUCATION
528	85328	SMALL ENGINE SPECIALISTS	150	200	50	33.3	30	9	LONG-TERM ON-THE-JOB TRAINING
537	85700	OTHER ELECTRICAL EQUIP MECHANICS	2,700	3,230	530	19.6	580		
538	85702	TELEPHONE, CABLE TV INSTALLERS	860	1,010	150	17.4	210	9	LONG-TERM ON-THE-JOB TRAINING
540	85708	ELECT HOME ENTERTAINMENT REPAIRERS	220	240	20	9.1	50	7	POST-SECONDARY VOCATIONAL EDUCATION
541	85711	ELECT HOME APPL & POWER TOOL REPAI	200	260	60	30.0	50	9	LONG-TERM ON-THE-JOB TRAINING
543	85717	ELECT REPAIRERS--COMMERCIAL	280	330	50	17.9	60	7	POST-SECONDARY VOCATIONAL EDUCATION
545	85723	ELECT POWERLINE INSTALLERS	720	900	180	25.0	130	9	LONG-TERM ON-THE-JOB TRAINING
547	85728	ELEC INSTALLERS--TRANS EQUIPMENT	140	180	40	28.6	30	7	POST-SECONDARY VOCATIONAL EDUCATION
548	85799	ELECT EQUIP MECHANICS, NEC	280	310	30	10.7	50	9	LONG-TERM ON-THE-JOB TRAINING
549	85900	MISC MECH, INSTALLERS, REPAIRERS	3,230	4,280	1,050	32.5	530		
550	85902	HEATING, AC, REFRIG MECHANICS	840	1,150	310	36.9	130	9	LONG-TERM ON-THE-JOB TRAINING
551	85905	INSTRUMENT REPAIRERS, PRECISION	110	150	40	36.4	20	9	LONG-TERM ON-THE-JOB TRAINING
558	85926	OFF MACH, CASH REGISTER SERVICERS	190	260	70	36.8	30	9	LONG-TERM ON-THE-JOB TRAINING
559	85928	MECH CONTROL, VALVE INSTALLERS	120	150	30	25.0	20	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
562	85938	INSTALLER & REPAIRER, MOBILE HOME	220	290	70	31.8	40	9	LONG-TERM ON-THE-JOB TRAINING
566	85953	TIRE REPAIRERS AND CHANGERS	210	240	30	14.3	70	11	SHORT-TERM ON-THE-JOB TRAINING
568	85999	MECHS, INSTALLERS, REPAIRERS, NEC	1,540	2,040	500	32.5	220	9	LONG-TERM ON-THE-JOB TRAINING
569	87000	CONSTRUCTION TRADES	17,080	21,800	4,720	27.6	3,120		
570	87100	CARPENTERS AND RELATED WORKERS	7,280	9,200	1,920	26.4	1,400		
571	87102	CARPENTERS	5,890	7,430	1,540	26.1	1,250	9	LONG-TERM ON-THE-JOB TRAINING
573	87108	DRYWALL INSTALLERS	540	700	160	29.6	60	10	MODERATE-TERM ON-THE-JOB TRAINING
574	87111	TAPERS	520	670	150	28.8	60	10	MODERATE-TERM ON-THE-JOB TRAINING
575	87114	LATHERS	330	400	70	21.2	30	10	MODERATE-TERM ON-THE-JOB TRAINING
577	87200	ELECTRICIANS AND RELATED WORKERS	1,890	2,440	550	29.1	310		
578	87202	ELECTRICIANS	1,890	2,440	550	29.1	310	9	LONG-TERM ON-THE-JOB TRAINING
579	87300	MASONS AND RELATED WORKERS	1,710	2,260	550	32.2	250		
580	87302	BRICKMASON	240	330	90	37.5	40	9	LONG-TERM ON-THE-JOB TRAINING
582	87308	HARD TILE SETTERS	100	130	30	30.0	20	9	LONG-TERM ON-THE-JOB TRAINING
583	87311	CONCRETE AND TERRAZZO FINISHERS	830	1,070	240	28.9	80	9	LONG-TERM ON-THE-JOB TRAINING
584	87314	REINFORCING METAL WORKERS	110	140	30	27.3	20	9	LONG-TERM ON-THE-JOB TRAINING
585	87317	PLASTERERS AND STUCCO MASONS	430	590	160	37.2	90	9	LONG-TERM ON-THE-JOB TRAINING
586	87400	PAINTERS AND RELATED WORKERS	1,210	1,580	370	30.6	250		
587	87402	PAINTERS, PAPERHANGERS--CONST	1,210	1,580	370	30.6	250	10	MODERATE-TERM ON-THE-JOB TRAINING
588	87500	PLUMBERS AND RELATED WORKERS	1,490	1,910	420	28.2	190		
589	87502	PLUMBERS, PIPEFITTERS, STEAMFITTER	1,070	1,380	310	29.0	110	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
591	87508	PIPELAYERS	420	530	110	26.2	80	10	MODERATE-TERM ON-THE-JOB TRAINING
593	87600	CARPET, FLOOR INSTALLERS	280	360	80	28.6	50		
594	87602	CARPET INSTALLERS	280	360	80	28.6	50	10	MODERATE-TERM ON-THE-JOB TRAINING
597	87700	SELECTED ROAD, RAIL AND RELATED	940	1,170	230	24.5	190		
600	87708	PAVING, TAMPING-EQUIP OPERATORS	420	530	110	26.2	90	10	MODERATE-TERM ON-THE-JOB TRAINING
601	87711	HIGHWAY MAINTENANCE WORKERS	420	510	90	21.4	80	11	SHORT-TERM ON-THE-JOB TRAINING
602	87714	RAIL-TRACK LAYING, MAINT EQUIP OPS	100	130	30	30.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
603	87800	CONSTRUCTION TRADES, NEC	1,520	1,930	410	27.0	330		
607	87808	ROOFERS	430	550	120	27.9	120	10	MODERATE-TERM ON-THE-JOB TRAINING
608	87811	GLAZIERS	190	240	50	26.3	40	9	LONG-TERM ON-THE-JOB TRAINING
609	87814	STRUCTURAL METAL WORKERS	360	450	90	25.0	70	9	LONG-TERM ON-THE-JOB TRAINING
610	87817	FENCE ERECTORS	140	190	50	35.7	30	10	MODERATE-TERM ON-THE-JOB TRAINING
611	87899	CONSTRUCTION TRADES WORKERS, NEC	400	500	100	25.0	70	10	MODERATE-TERM ON-THE-JOB TRAINING
612	87900	EXTRACTIVE AND RELATED WORKERS	760	950	190	25.0	150		
626	87999	CONST, EXTRACTIVE--EX HELPERS, NEC	760	950	190	25.0	150	10	MODERATE-TERM ON-THE-JOB TRAINING
627	89000	PRODUCTION OCCUPATIONS, PRECISION	9,470	12,160	2,690	28.4	1,630		
628	89100	METAL WORKERS, PRECISION	3,940	5,050	1,110	28.2	680		
629	89102	TOOL AND DIE MAKERS	510	660	150	29.4	80	9	LONG-TERM ON-THE-JOB TRAINING
631	89108	MACHINISTS	1,880	2,420	540	28.7	300	9	LONG-TERM ON-THE-JOB TRAINING
632	89111	TOOL GRINDERS, FILERS, SHARPENERS	200	260	60	30.0	40	9	LONG-TERM ON-THE-JOB TRAINING
636	89123	JEWELERS AND SILVERSMITHS	290	310	20	6.9	50	9	LONG-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
639	89132	SHEET METAL WORKERS	950	1,250	300	31.6	190	10	MODERATE-TERM ON-THE-JOB TRAINING
641	89199	METAL WORKERS, NEC--PRECISION	110	150	40	36.4	20	9	LONG-TERM ON-THE-JOB TRAINING
642	89300	WOODWORKERS, PRECISION	1,410	1,800	390	27.7	160		
645	89308	WOOD MACHINISTS	430	540	110	25.6	40	9	LONG-TERM ON-THE-JOB TRAINING
646	89311	CABINETMAKERS AND BENCH CARPENTERS	670	840	170	25.4	60	9	LONG-TERM ON-THE-JOB TRAINING
647	89314	FURNITURE FINISHERS	110	150	40	36.4	20	9	LONG-TERM ON-THE-JOB TRAINING
648	89399	WOODWORKERS, NEC--PRECISION	200	270	70	35.0	40	9	LONG-TERM ON-THE-JOB TRAINING
649	89500	TEXTILE, APPAREL, FURNISHINGS,PREC	800	1,060	260	32.5	130		
652	89508	UPHOLSTERERS	680	910	230	33.8	110	9	LONG-TERM ON-THE-JOB TRAINING
655	89517	PRESSERS--DELICATE FABRICS	120	150	30	25.0	20	9	LONG-TERM ON-THE-JOB TRAINING
672	89800	FOOD WORKERS, PRECISION	130	160	30	23.1	30		
673	89802	SLAUGHTERERS AND BUTCHERS	130	160	30	23.1	30	9	LONG-TERM ON-THE-JOB TRAINING
677	89900	OTHER PRECISION WORKERS	3,190	4,090	900	28.2	630		
679	89905	MOLDERS, SHAPERS--EX JEWELRY	160	220	60	37.5	40	9	LONG-TERM ON-THE-JOB TRAINING
684	89921	DENTAL LAB TECHNICIANS, PRECISION	110	110	0	0.0	20	9	LONG-TERM ON-THE-JOB TRAINING
687	89999	WORKERS, PRECISION--NEC	2,920	3,760	840	28.8	570	9	LONG-TERM ON-THE-JOB TRAINING
688	91000	MACH SETTERS, SET-UP, OPS, TENDERS	15,890	20,740	4,850	30.5	2,760		
689	91100	MACH TOOL CUTTING--METAL, PLASTIC	1,760	1,920	160	9.1	300		
690	91102	SAW MACH TOOL SETTERS--METAL,PLAST	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
691	91105	LATHE MACH SETTERS--METAL, PLASTIC	700	720	20	2.9	110	10	MODERATE-TERM ON-THE-JOB TRAINING
692	91108	DRILLING MACH SETTER--METAL,PLASTI	220	220	0	0.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING

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693	91111	MILLING MACH SETTERS--METAL,PLASTI	110	140	30	27.3	20	10	MODERATE-TERM ON-THE-JOB TRAINING
694	91114	GRINDING MACH SETTER--METAL,PLASTI	410	470	60	14.6	80	10	MODERATE-TERM ON-THE-JOB TRAINING
695	91117	MACH TOOL CUTTING OPS--METAL,PLAST	210	230	20	9.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
696	91300	MACH FORMING SETTERS--METAL,PLASTI	1,390	1,740	350	25.2	260		
697	91302	PUNCH MACH SETTERS--METAL, PLASTIC	160	190	30	18.8	20	10	MODERATE-TERM ON-THE-JOB TRAINING
698	91305	PRESS MACH SETTERS--METAL, PLASTIC	290	390	100	34.5	50	10	MODERATE-TERM ON-THE-JOB TRAINING
699	91308	SHEAR MACH SETTERS--METAL, PLASTIC	100	140	40	40.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
700	91311	EXTRUDING MACH SETTERS--METAL,PLAS	180	240	60	33.3	40	10	MODERATE-TERM ON-THE-JOB TRAINING
703	91321	MACH FORMING OPS,TENDRS--MET, PLAS	660	780	120	18.2	130	10	MODERATE-TERM ON-THE-JOB TRAINING
704	91500	MACH TOOL SETTERS, OPS--METAL,PLAS	650	930	280	43.1	120		
705	91502	NUMERICAL MACH TOOL OPS--MET, PLAS	230	330	100	43.5	40	10	MODERATE-TERM ON-THE-JOB TRAINING
706	91505	COMB MACH TOOL SETTERS--MET, PLAST	260	370	110	42.3	50	10	MODERATE-TERM ON-THE-JOB TRAINING
707	91508	COMB MACH TOOL OPS--METAL, PLASTIC	160	230	70	43.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
708	91700	METAL FABRICATING MACH SETTERS,OPS	780	1,010	230	29.5	160		
709	91702	WELDING MACH SETTERS, SET-UP OPS	180	220	40	22.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
710	91705	WELDING MACH OPERATORS AND TENDERS	400	520	120	30.0	80	10	MODERATE-TERM ON-THE-JOB TRAINING
713	91714	METAL FABRICATOR, STRUCT MET PRODS	200	270	70	35.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
714	91900	METAL, PLAST PROCESS MACH SETTERS	1,530	2,050	520	34.0	290		
715	91902	PLAST MOLDING, CASTING MACH SETTER	250	350	100	40.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
716	91905	PLASTIC MOLDING, CASTING MACH OPS	1,090	1,470	380	34.9	220	10	MODERATE-TERM ON-THE-JOB TRAINING
726	91935	FURNACE OPERATORS AND TENDERS	190	230	40	21.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
729	92100	METAL, PLAST MACH SETTERS, OPS NEC	1,010	1,500	490	48.5	220		
730	92197	CUT, FORM, FAB, PROC MACH SETTER	510	770	260	51.0	110	10	MODERATE-TERM ON-THE-JOB TRAINING

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			1999 (2)	2006					
731	92198	CUT, FORM, FAB, PROCESS MACH OPS	500	730	230	46.0	110	10	MODERATE-TERM ON-THE-JOB TRAINING
732	92300	WOODWORKING MACH SETTERS, OPS	470	560	90	19.1	100		
735	92308	SAWING MACH OPS AND TENDERS	260	310	50	19.2	60	10	MODERATE-TERM ON-THE-JOB TRAINING
737	92314	WOODWORK MACH OPS,TNDRS--EX SAWING	210	250	40	19.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
738	92500	PRINTING, BINDING, RELATED WORKERS	480	600	120	25.0	70		
748	92543	PRINTING PRESS MACHINE OPS, TENDER	240	310	70	29.2	40	10	MODERATE-TERM ON-THE-JOB TRAINING
750	92546	BINDERY MACHINE OPERATORS	240	290	50	20.8	30	10	MODERATE-TERM ON-THE-JOB TRAINING
752	92700	TEXTILE, RELATED SETTERS, OPS	2,430	3,190	760	31.3	300		
754	92705	TEXTILE OPS,TNDRS--WIND,TWIST,KNIT	100	130	30	30.0	10	10	MODERATE-TERM ON-THE-JOB TRAINING
758	92717	SEWING MACHINE OPERATORS--GARMENT	790	970	180	22.8	80	10	MODERATE-TERM ON-THE-JOB TRAINING
759	92721	SEWING MACHINE OPS--NON-GARMENT	980	1,390	410	41.8	110	10	MODERATE-TERM ON-THE-JOB TRAINING
761	92726	LNDRY, DRYCLEAN MACH OPS--EX PRESS	450	570	120	26.7	90	10	MODERATE-TERM ON-THE-JOB TRAINING
762	92728	PRESSING MACH OPS--TEXTILE, GARMEN	110	130	20	18.2	10	10	MODERATE-TERM ON-THE-JOB TRAINING
763	92900	MACH SETTER,SET-UP,OP--EX MET,PLAS	5,390	7,240	1,850	34.3	940		
766	92908	PHOTOGRAPHIC PROC MACH OPS,TNDRS	160	160	0	0.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
769	92917	COOKING MACH OPS,TNDRS-FOOD,TOBACC	140	150	10	7.1	20	10	MODERATE-TERM ON-THE-JOB TRAINING
777	92941	CUT, SLICING MACH SETTERS, SET-UP	120	170	50	41.7	20	10	MODERATE-TERM ON-THE-JOB TRAINING
778	92944	CUTTING, SLICING MACH OPS, TNDRS	250	340	90	36.0	50	10	MODERATE-TERM ON-THE-JOB TRAINING
779	92947	PAINTERS, TRANSPORTATION EQUIP	150	180	30	20.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
780	92951	PAINT, COAT & SPRAY MACH SETTERS	150	210	60	40.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
781	92953	PAINTING, REL MACH OPS, TENDERS	430	580	150	34.9	80	10	MODERATE-TERM ON-THE-JOB TRAINING
785	92965	CRUSHING, MIXING MACH OPS, TNDRS	520	650	130	25.0	100	10	MODERATE-TERM ON-THE-JOB TRAINING
787	92971	EXTRUDING, FORMING MACH OPS, TNDRS	200	280	80	40.0	40	10	MODERATE-TERM ON-THE-JOB TRAINING
788	92974	PACKAGING, FILLING MACH OPS, TNDRS	1,370	1,850	480	35.0	290	10	MODERATE-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
789	92997	MACHINE SETTERS & SET-UP OPS, NEC	270	370	100	37.0	30	10	MODERATE-TERM ON-THE-JOB TRAINING
790	92998	MACHINE OPERATORS AND TENDERS, NEC	1,630	2,300	670	41.1	200	10	MODERATE-TERM ON-THE-JOB TRAINING
791	93000	ASSEMBLERS AND FABRICATORS--HAND	14,630	19,170	4,540	31.0	2,450		
792	93100	ASSEMBLERS, PRECISION	770	980	210	27.3	140		
794	93105	MACH BLDR, OTH PREC MACH ASSEMBLER	140	180	40	28.6	30	8	WORK EXPERIENCE
795	93108	FITTERS, STRUCTURAL METAL--PREC	190	200	10	5.3	30	8	WORK EXPERIENCE
797	93114	ELECTRICAL EQUIP ASSEMBLERS--PREC	300	420	120	40.0	50	8	WORK EXPERIENCE
799	93197	ASSEMBLERS, NEC--PRECISION	140	180	40	28.6	30	8	WORK EXPERIENCE
800	93900	OTHER HAND WORKERS	13,860	18,190	4,330	31.2	2,310		
802	93905	ELECTRICAL, ELECTRONIC ASSEMBLERS	650	890	240	36.9	100	11	SHORT-TERM ON-THE-JOB TRAINING
804	93911	GLAZIERS, MANUFACTURING	140	180	40	28.6	30	11	SHORT-TERM ON-THE-JOB TRAINING
805	93914	WELDERS AND CUTTERS	1,410	1,840	430	30.5	290	7	POST-SECONDARY VOCATIONAL EDUCATION
806	93917	SOLDERERS AND BRAZERS	110	140	30	27.3	20	11	SHORT-TERM ON-THE-JOB TRAINING
809	93926	CUTTERS AND TRIMMERS--HAND	250	350	100	40.0	50	11	SHORT-TERM ON-THE-JOB TRAINING
812	93935	CANNERY WORKERS	120	120	0	0.0	20	11	SHORT-TERM ON-THE-JOB TRAINING
815	93944	MOLDERS AND CASTERS--HAND	160	200	40	25.0	30	11	SHORT-TERM ON-THE-JOB TRAINING
816	93947	PAINTING, COATING, DECORATING--HAN	330	450	120	36.4	60	11	SHORT-TERM ON-THE-JOB TRAINING
818	93953	GRINDING, POLISHING WORKERS--HAND	570	730	160	28.1	120	11	SHORT-TERM ON-THE-JOB TRAINING
819	93956	ASSEMB, FABRICATORS--EX MACH,ELECT	8,160	10,650	2,490	30.5	1,160	11	SHORT-TERM ON-THE-JOB TRAINING
820	93999	HAND WORKERS, NEC	1,960	2,640	680	34.7	430	11	SHORT-TERM ON-THE-JOB TRAINING
821	95000	PLANT AND SYSTEM OCCUPATIONS	1,250	1,590	340	27.2	270		
822	95002	WATER TREATMENT PLANT OPERATORS	470	580	110	23.4	80	9	LONG-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
832	95032	STATIONARY ENGINEERS	130	150	20	15.4	20	9	LONG-TERM ON-THE-JOB TRAINING
833	95099	PLANT AND SYSTEM OPERATORS, NEC	650	860	210	32.3	170	9	LONG-TERM ON-THE-JOB TRAINING
834	97000	TRANS, MATERIAL MOVING MACHINE OPS	30,770	40,430	9,660	31.4	4,130		
835	97100	MOTOR VEHICLE OPERATORS	22,410	29,620	7,210	32.2	2,770		
836	97102	TRUCK DRIVERS, HEAVY	9,430	12,690	3,260	34.6	1,100	11	SHORT-TERM ON-THE-JOB TRAINING
837	97105	TRUCK DRIVERS, LIGHT	7,410	9,960	2,550	34.4	860	11	SHORT-TERM ON-THE-JOB TRAINING
838	97108	BUS DRIVERS	960	1,150	190	19.8	130	10	MODERATE-TERM ON-THE-JOB TRAINING
839	97111	BUS DRIVERS--SCHOOL	2,080	2,610	530	25.5	290	11	SHORT-TERM ON-THE-JOB TRAINING
840	97114	TAXI DRIVERS AND CHAUFFEURS	290	360	70	24.1	40	11	SHORT-TERM ON-THE-JOB TRAINING
841	97117	DRIVER/SALES WORKERS	1,740	2,280	540	31.0	280	11	SHORT-TERM ON-THE-JOB TRAINING
842	97199	MOTOR VEHICLE OPERATORS, NEC	500	570	70	14.0	70	11	SHORT-TERM ON-THE-JOB TRAINING
843	97300	RAIL TRANSPORTATION WORKERS	930	1,210	280	30.1	260		
844	97302	RAILROAD CONDUCTORS, YARDMASTERS	230	320	90	39.1	70	8	WORK EXPERIENCE
845	97305	LOCOMOTIVE ENGINEERS	360	570	210	58.3	110	8	WORK EXPERIENCE
849	97317	RAILROAD BRAKE, SIGNAL, SWITCH OPS	340	320	-20	-5.9	80	8	WORK EXPERIENCE
851	97500	WATER TRANSPORTATION WORKERS	230	290	60	26.1	70		
852	97502	CAPTAINS--WATER VESSEL	230	290	60	26.1	70	8	WORK EXPERIENCE
859	97700	AIR TRANSPORTATION WORKERS	240	280	40	16.7	40		
860	97702	AIRCRAFT PILOTS, FLIGHT ENGINEERS	240	280	40	16.7	40	9	LONG-TERM ON-THE-JOB TRAINING
861	97800	MISC TRANSPORTATION WORKERS	1,370	1,780	410	29.9	270		
863	97805	SERVICE STATION ATTENDANTS	360	470	110	30.6	130	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
864	97808	PARKING LOT ATTENDANTS	250	360	110	44.0	40	11	SHORT-TERM ON-THE-JOB TRAINING
865	97899	TRANS AND RELATED WORKERS, NEC	760	950	190	25.0	100	10	MODERATE-TERM ON-THE-JOB TRAINING
866	97900	MATERIAL MOVEMENT EQUIP OPERATORS	5,590	7,250	1,660	29.7	720		
874	97923	EXCAVATING, LOADING MACHINE OPS	330	480	150	45.5	50	10	MODERATE-TERM ON-THE-JOB TRAINING
879	97938	GRADER, DOZER, SCRAPER OPERATORS	470	620	150	31.9	30	10	MODERATE-TERM ON-THE-JOB TRAINING
881	97944	CRANE AND TOWER OPERATORS	170	220	50	29.4	30	10	MODERATE-TERM ON-THE-JOB TRAINING
882	97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	2,320	3,040	720	31.0	220	11	SHORT-TERM ON-THE-JOB TRAINING
885	97956	OPERATING ENGINEERS	770	990	220	28.6	110	10	MODERATE-TERM ON-THE-JOB TRAINING
886	97989	MATERIAL MOVING EQUIP OPS, NEC	1,410	1,750	340	24.1	260	10	MODERATE-TERM ON-THE-JOB TRAINING
887	97999	TRANS, MAT MOVING EQUIP OPS, NEC	120	150	30	25.0	20	10	MODERATE-TERM ON-THE-JOB TRAINING
888	98000	HELPERS, LABORERS, HAND--EX AG	29,650	38,640	8,990	30.3	7,990		
889	98100	MECHANIC AND REPAIRER HELPERS	1,420	1,950	530	37.3	540		
890	98102	HELPERS, MECHANIC & REPAIRER	1,420	1,950	530	37.3	540	11	SHORT-TERM ON-THE-JOB TRAINING
891	98300	CONST TRADES, EXTRACTIVE--HELPERS	3,910	5,010	1,100	28.1	1,450		
892	98311	HELPERS--BRICK,STONE MASONS	330	420	90	27.3	120	11	SHORT-TERM ON-THE-JOB TRAINING
893	98312	HELPERS--CARPENTERS AND RELATED	1,220	1,560	340	27.9	460	11	SHORT-TERM ON-THE-JOB TRAINING
894	98313	HELPERS--ELECT, POWERLINE INSTALL	240	270	30	12.5	80	11	SHORT-TERM ON-THE-JOB TRAINING
895	98314	HELPERS--PAINTERS AND RELATED	470	620	150	31.9	180	11	SHORT-TERM ON-THE-JOB TRAINING
896	98315	HELPERS--PLUMBERS AND RELATED	300	390	90	30.0	110	11	SHORT-TERM ON-THE-JOB TRAINING
898	98319	HELPERS--CONSTRUCTION TRADES, NEC	1,350	1,750	400	29.6	500	11	SHORT-TERM ON-THE-JOB TRAINING
901	98500	MACHINE FEEDERS AND OFFBEARERS	720	920	200	27.8	170		
902	98502	MACHINE FEEDERS AND OFFBEARERS,NEC	720	920	200	27.8	170	11	SHORT-TERM ON-THE-JOB TRAINING

**Table 6**  
**Occupational Employment Projections (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

LINE #	CA OES CODE	OCCUPATION	ANNUAL AVERAGES		ABSOLUTE CHANGE	PERCENT CHANGE	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION/EXPERIENCE
			1999 (2)	2006					
903	98700	FREIGHT, STOCK, MAT MOVERS, HAND	5,740	7,120	1,380	24.0	1,750		
905	98705	REFUSE & RECYCLABLE MATERIAL COLLE	610	710	100	16.4	190	11	SHORT-TERM ON-THE-JOB TRAINING
906	98799	FREIGHT, MATERIAL MOVERS-HAND, NEC	5,130	6,410	1,280	25.0	1,560	11	SHORT-TERM ON-THE-JOB TRAINING
907	98900	MISC HELPERS, LABORERS--HAND	17,860	23,640	5,780	32.4	4,080		
908	98902	HAND PACKERS AND PACKAGERS	5,610	7,790	2,180	38.9	1,160	11	SHORT-TERM ON-THE-JOB TRAINING
909	98905	VEHICLE WASHERS, EQUIP CLEANERS	2,060	2,750	690	33.5	530	11	SHORT-TERM ON-THE-JOB TRAINING
910	98999	MISC HELPERS, LABORERS--HAND, NEC	10,190	13,100	2,910	28.6	2,390	11	SHORT-TERM ON-THE-JOB TRAINING
911		OCCUPATIONS NOT CLASSIFIED	60	90	30	50.0	0	12	NOT CLASSIFIED

(1) Employment and projections contained in these tables are considered estimates. See introduction for an explanation of data limitations.

(2) March 2000 Benchmark

**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
49011	SALESPERSONS, RETAIL	9,570	11	SHORT-TERM ON-THE-JOB TRAINING
49023	CASHIERS	8,410	11	SHORT-TERM ON-THE-JOB TRAINING
55347	GENERAL OFFICE CLERKS	6,190	11	SHORT-TERM ON-THE-JOB TRAINING
31308	TEACHERS--SECONDARY SCHOOL	5,730	5	BACHELOR'S DEGREE
65041	COMBINED FOOD PREP AND SERVICE	5,070	11	SHORT-TERM ON-THE-JOB TRAINING
19005	GENERAL MANAGERS, TOP EXECUTIVE	4,920	4	WORK EXPERIENCE, PLUS A BACHELOR'S OR HIGHER
97102	TRUCK DRIVERS, HEAVY	4,360	11	SHORT-TERM ON-THE-JOB TRAINING
65008	WAITERS AND WAITRESSES	4,250	11	SHORT-TERM ON-THE-JOB TRAINING
31305	TEACHERS--ELEMENTARY SCHOOL	4,220	5	BACHELOR'S DEGREE
93956	ASSEMBLERS, FABRICATORS--EX MACH, EL	3,650	11	SHORT-TERM ON-THE-JOB TRAINING
65038	FOOD PREPARATION WORKERS	3,570	11	SHORT-TERM ON-THE-JOB TRAINING
97105	TRUCK DRIVERS, LIGHT	3,410	11	SHORT-TERM ON-THE-JOB TRAINING
98902	HAND PACKERS AND PACKAGERS	3,340	11	SHORT-TERM ON-THE-JOB TRAINING
79041	LABORERS, LANDSCAPING/GROUNDSKEEPING	3,130	11	SHORT-TERM ON-THE-JOB TRAINING
41002	FIRST-LINE SUP/MGR--SALES	2,920	8	WORK EXPERIENCE
32502	REGISTERED NURSES	2,910	6	ASSOCIATE DEGREE
87102	CARPENTERS	2,790	9	LONG-TERM ON-THE-JOB TRAINING
31521	TEACHER AIDES, PARAPROFESSIONAL	2,730	6	ASSOCIATE DEGREE
67005	JANITORS, CLEANERS--EXCEPT MAID	2,710	11	SHORT-TERM ON-THE-JOB TRAINING
51002	FIRST-LINE SUP/MGR, CLERL, ADM	2,700	8	WORK EXPERIENCE
55108	SECRETARIES, GENERAL	2,190	7	POST-SECONDARY VOCATIONAL EDUCATION
63047	GUARDS AND WATCH GUARDS	2,090	11	SHORT-TERM ON-THE-JOB TRAINING
49008	SALES REPS, NON-SCIENTIFIC EX RETAIL	2,020	10	MODERATE-TERM ON-THE-JOB TRAINING
85132	MAINT REPAIRERS, GENL UTILITY	1,990	9	LONG-TERM ON-THE-JOB TRAINING
55338	BOOKKEEPING, ACCOUNTING CLERKS	1,950	10	MODERATE-TERM ON-THE-JOB TRAINING

**Table 7**  
**Occupations With The Most Openings (1)**  
**(Growth plus Separations)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	NUMBER OF JOB OPENINGS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
55305	RECEPTIONISTS, INFORMATION CLERKS	1,920	11	SHORT-TERM ON-THE-JOB TRAINING
49017	COUNTER AND RENTAL CLERKS	1,590	11	SHORT-TERM ON-THE-JOB TRAINING
58023	STOCK CLERKS--STOCKROOM, WAREHOUSE	1,580	11	SHORT-TERM ON-THE-JOB TRAINING
58028	TRAFFIC, SHIPPING, RECEIVING CLERKS	1,540	11	SHORT-TERM ON-THE-JOB TRAINING
66008	NURSE AIDES, ORDERLIES, ATTENDANTS	1,500	11	SHORT-TERM ON-THE-JOB TRAINING
65026	COOKS--RESTAURANT	1,430	9	LONG-TERM ON-THE-JOB TRAINING
63014	POLICE PATROL OFFICERS	1,410	9	LONG-TERM ON-THE-JOB TRAINING
65032	COOKS--SPECIALTY FAST FOOD	1,340	11	SHORT-TERM ON-THE-JOB TRAINING
53102	TELLERS	1,300	11	SHORT-TERM ON-THE-JOB TRAINING
85302	AUTOMOTIVE MECHANICS	1,230	9	LONG-TERM ON-THE-JOB TRAINING
49021	STOCK CLERKS--SALES FLOOR	1,220	11	SHORT-TERM ON-THE-JOB TRAINING
98905	VEHICLE WASHERS, EQUIP CLEANERS	1,220	11	SHORT-TERM ON-THE-JOB TRAINING
81002	FIRST-LINE SUP/MGR-MECH, REPAIR	1,170	8	WORK EXPERIENCE
31311	TEACHERS--SPECIAL EDUCATION	1,140	5	BACHELOR'S DEGREE
53905	TEACHER AIDES & EDUC ASSTS, CLERICAL	1,130	11	SHORT-TERM ON-THE-JOB TRAINING
81008	FIRST-LINE SUP/MGR-PRODUCTION	1,120	8	WORK EXPERIENCE
98102	HELPERS, MECHANIC & REPAIRER	1,070	11	SHORT-TERM ON-THE-JOB TRAINING
67002	MAIDS AND HOUSEKEEPING CLEANERS	1,050	11	SHORT-TERM ON-THE-JOB TRAINING
66005	MEDICAL ASSISTANTS	940	10	MODERATE-TERM ON-THE-JOB TRAINING
97947	INDUSTRIAL TRUCK,TRACTOR OPERATORS	940	11	SHORT-TERM ON-THE-JOB TRAINING
57305	POSTAL MAIL CARRIERS	930	11	SHORT-TERM ON-THE-JOB TRAINING
63017	CORRECTION OFFICERS, JAILERS	920	9	LONG-TERM ON-THE-JOB TRAINING
63008	FIRE FIGHTERS	890	9	LONG-TERM ON-THE-JOB TRAINING
85311	BUS AND TRUCK MECHANICS	860	9	LONG-TERM ON-THE-JOB TRAINING
87202	ELECTRICIANS	860	9	LONG-TERM ON-THE-JOB TRAINING
TOTAL OF THESE OCCUPATIONS		127,120		

(1) Excludes not elsewhere classified (NEC) categories.

**Table 8**  
**Occupations With Projected Declines (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

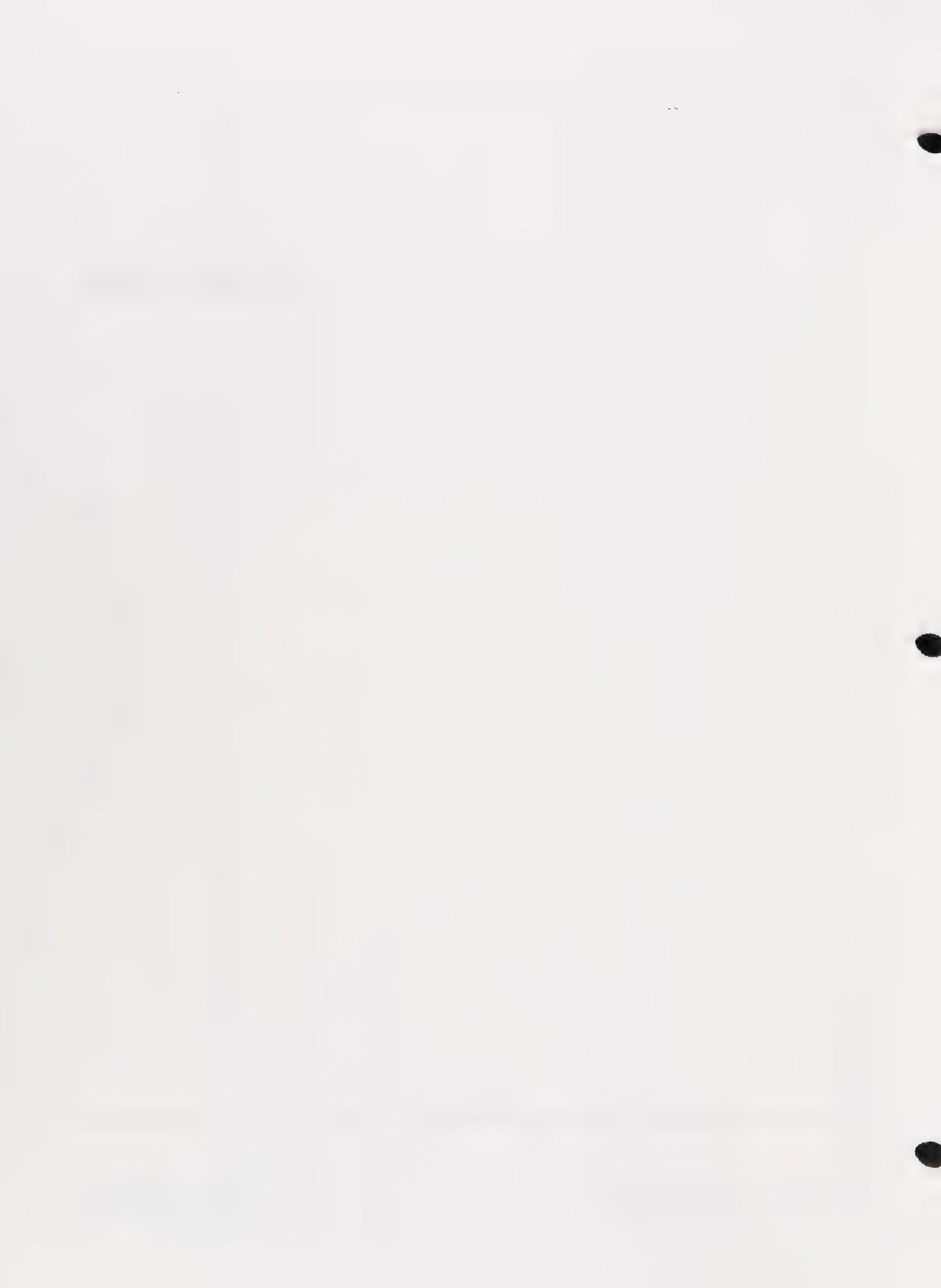
CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF JOB DECLINES	OPENINGS DUE TO SEPARATIONS	BLS TRAINING LEVEL	EDUCATION / EXPERIENCE
		1999(2)	2006				
55307	TYPISTS, INCLUDING WORD PROCESSING	2,660	2,440	-220	350	10	MODERATE-TERM ON-THE-JOB TRAINING
97317	RAILROAD BRAKE, SIGNAL, SWITCH	340	320	-20	80	8	WORK EXPERIENCE
56011	COMPUTER OPS--EX PERIPHERAL EQUIPMNT	500	480	-20	50	10	MODERATE-TERM ON-THE-JOB TRAINING
65023	BUTCHERS AND MEAT CUTTERS	840	830	-10	140	9	LONG-TERM ON-THE-JOB TRAINING
34017	ANNOUNCERS--RADIO AND TELEVISION	130	120	-10	20	9	LONG-TERM ON-THE-JOB TRAINING
<b>TOTAL OF THESE OCCUPATIONS</b>		<b>4,470</b>	<b>4,190</b>	<b>-280</b>	<b>640</b>		

(1) Excludes not elsewhere classified (NEC) categories.

(2) March 2000 Benchmark

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# **Appendix**



## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
ABLE SEAMEN	856	97514
ACCOUNTANTS AND AUDITORS	30	21114
ACCOUNTANTS, AUDITORS, FINANCE SPECIALISTS	25	21100
ACTUARIES	114	25313
ADJUDICATORS, JUDICIAL REVIEWERS	137	28105
<b>ADJUSTMENT CLERKS</b>	<b>311</b>	<b>53123</b>
ADMINISTRATIVE SERVICES MANAGERS	7	13014
ADVERTISING CLERKS	335	53908
AERONAUTICAL, ASTRONAUTICAL ENGINEERS	53	22102
<b>AGRICULTURAL AND FOOD SCIENTISTS</b>	<b>91</b>	<b>24305</b>
AGRICULTURAL ENGINEERS	60	22123
AGRICULTURAL SCIENCES TEACHERS, POSTSECONDARY	150	31201
AGRICULTURAL, FORESTRY, FISHING	468	70000
AGRICULTURE, FORESTRY, FISHING--NEC	491	79999
AIR HAMMER OPERATORS	598	87702
<b>AIR TRANSPORTATION WORKERS</b>	<b>859</b>	<b>97700</b>
AIRCRAFT ASSEMBLERS--PRECISION	793	93102
AIRCRAFT ENGINE SPECIALISTS	527	85326
AIRCRAFT MECHANICS	526	85323
<b>AIRCRAFT PILOTS, FLIGHT ENGINEERS</b>	<b>860</b>	<b>97702</b>
AIRPLANE DISPATCHERS, AIR TRAFFIC CONTROLLER	267	39002
AMBULANCE DRIVERS, ATTENDANTS, EX EMERGENCY MEDICAL TECHNICIANS	442	66023
AMUSEMENT, RECREATION ATTENDANTS	456	68014
ANIMAL BREEDERS	481	79015
ANIMAL CARETAKERS--EXCEPT FARM	483	79017
<b>ANIMAL TRAINERS</b>	<b>482</b>	<b>79016</b>
ANNOUNCERS--EX RADIO, TELEVISION	252	34021
ANNOUNCERS--RADIO AND TELEVISION	251	34017
ANTHROPOLOGY & SOCIOLOGY TEACHERS, POSTSECONDARY	166	31231
APPRAISERS--REAL ESTATE	280	43011
<b>ARCHITECTS AND SURVEYORS</b>	<b>68</b>	<b>22300</b>
ARCHITECTS--EX LANDSCAPE, MARINE	69	22302
ARCHITECTURE TEACHERS, POSTSECONDARY	162	31223
AREA, ETHNIC, & CULTURAL STUDIES TEACHERS, POSTSECONDARY	167	31232
ART, DRAMA, MUSIC TEACHERS, POSTSECONDARY	160	31218
ARTISTS AND RELATED WORKERS	257	34035
<b>ASSEMBLERS AND FABRICATORS--HAND WORKING</b>	<b>791</b>	<b>93000</b>
ASSEMBLERS, FABRICATORS--EX MACHINE,ELECTRICAL,PRECISION	819	93956
ASSEMBLERS, NEC--PRECISION	799	93197
ASSEMBLERS, PRECISION	792	93100
<b>ASSESSORS</b>	<b>48</b>	<b>21917</b>
ATHLETES, COACHES, UMPIRES, RELATED	265	34058
ATMOSPHERIC AND SPACE SCIENTISTS	86	24108
AUDIO-VISUAL SPECIALISTS	198	31508
AUTOMOTIVE BODY, RELATED REPAIRERS	520	85305
<b>AUTOMOTIVE MECHANICS</b>	<b>519</b>	<b>85302</b>
AUXILIARY EQUIPMENT OPERATORS--POWER	829	95023
BAGGAGE PORTERS AND BELLHOPS	459	68023
BAILIFFS	408	63023
BAKERS--BREAD AND PASTRY	425	65021

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
BAKERS--MANUFACTURING	674	89805
BANKING, SECURITY, FINANCE, CREDIT WORKERS	303	53100
BARBERS	452	68002
BARTENDERS	420	65005
BICYCLE REPAIRERS	565	85951
<b>BILL AND ACCOUNT COLLECTORS</b>	<b>323</b>	<b>53508</b>
BILLING, COST, AND RATE CLERKS	357	55344
BILLING, POSTING, CALCULATING MACHINE OPERATORS	360	56002
BINDERY MACHINE OPERATORS, TENDERS	750	92546
<b>BINDERY MACHINE SETTERS, SET-UP OPERATORS</b>	<b>745</b>	<b>92525</b>
BIOLOGICAL SCIENTISTS	92	24308
BIOLOGICAL, AGRICULTURAL, FOOD TECHS	96	24502
BLASTERS AND EXPLOSIVES WORKERS	614	87905
BOILER OPERATORS, TENDERS--LOW PRESSURE	772	92926
BOILERMAKERS	640	89135
<b>BOOKBINDERS</b>	<b>670</b>	<b>89721</b>
BOOKKEEPING, ACCOUNTING, AUDITING CLERKS	355	55338
BRATTICE BUILDERS	576	87121
BRICKMASON	580	87302
<b>BRIDGE, LOCK, LIGHTHOUSE TENDERS</b>	<b>862</b>	<b>97802</b>
BROADCAST NEWS ANALYSTS	250	34014
BROADCAST TECHNICIANS	255	34028
BROKERAGE CLERKS	313	53128
BROKERS--REAL ESTATE	278	43005
BUDGET ANALYSTS	31	21117
<b>BUS AND TRUCK MECHANICS</b>	<b>522</b>	<b>85311</b>
<b>BUS DRIVERS</b>	<b>838</b>	<b>97108</b>
BUS DRIVERS--SCHOOL	839	97111
BUSINESS TEACHERS, POSTSECONDARY	174	31242
<b>BUTCHERS AND MEAT CUTTERS</b>	<b>426</b>	<b>65023</b>
CABINETMAKERS AND BENCH CARPENTERS	646	89311
CAMERA OPERATORS	665	89713
CAMERA OPERATORS--TELEVISION AND MOTION PICTURE	254	34026
CAMERA, PHOTOGRAPHIC EQUIPMENT REPAIRERS	554	85914
CANNERY WORKERS	812	93935
<b>CAPTAINS--WATER VESSEL</b>	<b>852</b>	<b>97502</b>
CARDIOLOGY TECHNOLOGISTS	239	32925
<b>CARPENTERS</b>	<b>571</b>	<b>87102</b>
CARPENTRY AND RELATED WORKERS	570	87100
<b>CARPET CUTTERS, DIAGRAMMERS, SEAMERS</b>	<b>811</b>	<b>93932</b>
CARPET INSTALLERS	594	87602
CARPET, FLOOR INSTALLERS	593	87600
CASHIERS	294	49023
CEILING TILE INSTALLERS	572	87105
CEMENTING, GLUING MACHINE OPERATORS, TENDERS	782	92956
<b>CENTRAL OFFICE AND PBX INSTALLERS</b>	<b>531</b>	<b>85502</b>
CENTRAL OFFICE OPERATORS	372	57108
CHEMICAL ENGINEERS	57	22114
CHEMICAL EQUIPMENT CONTROLLERS, OPERATORS	775	92935
CHEMICAL EQUIPMENT TENDERS	776	92938

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
CHEMICAL PLANT, SYSTEM OPERATORS	824	95008
CHEMICAL TECHS--EXCEPT HEALTH	97	24505
CHEMISTRY TEACHERS, POSTSECONDARY	152	31204
CHEMISTS, EXCEPT BIOCHEMISTS	85	24105
CHILD CARE WORKERS	464	68038
CHIROPRACTORS	209	32113
CHOKE SETTERS	473	73005
CIVIL ENGINEERING TECHS	74	22502
CIVIL ENGINEERS--INCLUDING TRAFFIC	59	22121
CLAIMS EXAMINERS--INSURANCE	49	21921
CLAIMS TAKERS--UNEMPLOYMENT BENEFITS	38	21502
CLEANING, BUILDING SERVICE WORKERS	445	67000
CLEANING, BUILDING SERVICE WORKERS, NEC	450	67099
CLEANING, WASHING, PICKLING EQUIPMENT OPERATORS,TENDERS	783	92958
CLERGY	131	27502
CLERICAL & ADMINISTRATIVE SUPPORT WORKERS, NEC	393	59999
CLERICAL, ADMINISTRATIVE SUPPORT	299	50000
CLERICAL, ADMINISTRATIVE SUPPORT, NEC	392	59000
COIL WINDERS, TAPERS, FINISHERS	803	93908
COIN VENDING MACHINE SERVICERS	564	85947
COMBINATION MACHINE TOOL OPERATORS--METAL, PLASTIC	707	91508
COMBINATION MACHINE TOOL SETTERS--METAL, PLASTIC	706	91505
COMBINED FOOD PREPARATION, SERVICE WORKERS	432	65041
COMMUNICATION EQUIPMENT MECHANICS, NEC	536	85599
COMMUNICATION EQUIPMENT OPERATORS, NEC	374	57199
COMMUNICATIONS EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	530	85500
COMMUNICATIONS EQUIPMENT OPERATORS	369	57100
COMMUNICATIONS TEACHERS, POSTSECONDARY	157	31213
COMMUNICATIONS, MAIL DISTRIBUTION	368	57000
COMMUNICATIONS TRANSPORTATION, UTILITIES OPERATION MANAGERS	16	15023
COMPLIANCE OFFICERS, ENFORCEMENT INSPECTORS--EX CONSTRUCTION	46	21911
COMPUTER ENGINEERS	62	22127
COMPUTER OPERATIONS--EX PERIPHERAL EQUIPMENT	363	56011
COMPUTER PROGRAMMER AIDES	107	25108
COMPUTER PROGRAMMERS	106	25105
COMPUTER SCIENCE TEACHERS, POSTSECONDARY	164	31226
COMPUTER SCIENTISTS AND RELATED	102	25100
COMPUTER SCIENTISTS, RELATED WORKERS,NEC	109	25199
COMPUTER SUPPORT SPECIALISTS	105	25104
COMPUTER, MATHEMATICAL OPERATIONS RESEARCH RELATED	101	25000
CONCRETE AND TERRAZZO FINISHERS	583	87311
CONST, EXTRACTIVE--EX HELPERS, NEC	626	87999
CONSTRUCTION MANAGERS	14	15017
CONSTRUCTION TRADES	569	87000
CONSTRUCTION TRADES WORKERS, NEC	611	87899
CONSTRUCTION TRADES, EXTRACTIVE--HELPERS	891	98300
CONSTRUCTION TRADES, NEC	603	87800
CONSTRUCTION, BUILDING INSPECTORS	45	21908
CONTINUOUS MINING MACHINE OPERATOR	622	87941
CONVEYOR OPERATORS AND TENDERS	883	97951

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COOKING MACHINE OPERATORS,TENDERS--FOOD,TOBACCO	769	92917
COOKS--FAST FOOD	429	65032
COOKS--INSTITUTION OR CAFETERIA	428	65028
COOKS--RESTAURANT	427	65026
COOKS--SHORT ORDER	430	65035
<b>COOLING, FREEZING EQUIPMENT OPERATORS, TENDERS</b>	<b>773</b>	<b>92928</b>
CORRECTION OFFICERS, JAILERS	406	63017
CORRECTIVE, MANUAL ARTS THERAPISTS	216	32311
CORRESPONDENCE CLERKS	348	55317
<b>COST ESTIMATORS</b>	<b>43</b>	<b>21902</b>
COUNTER AND RENTAL CLERKS	292	49017
COUNTER ATTENDANTS--FOOD	424	65017
COURT CLERKS	325	53702
CRANE AND TOWER OPERATORS	881	97944
CREDIT ANALYSTS	27	21105
<b>CREDIT AUTHORIZERS</b>	<b>308</b>	<b>53114</b>
CREDIT CHECKERS	309	53117
CRIMINAL INVESTIGATORS, PUBLIC SERVICE	410	63028
CRIMINAL JUSTICE & LAW ENFORCEMENT TEACHERS	176	31246
<b>CROSSING GUARDS</b>	<b>415</b>	<b>63044</b>
CRUSHING, GRINDING, MIXING MACHINE OPERATORS, TENDERS	785	92965
CURATORS, ARCHIVISTS, AND RELATED	199	31511
CUSTOM TAILORS AND SEWERS	651	89505
CUSTOMER SERVICE REPRESENTATIVES--UTILITIES	354	55335
CUTTERS AND TRIMMERS--HAND	809	93926
<b>CUTTING, FORMING, FABRICATING, PROCESSING MACHINE OPERATORS</b>	<b>731</b>	<b>92198</b>
<b>CUTTING, FORMING, FABRICATING, PROCESSING MACHINE SETTER</b>	<b>730</b>	<b>92197</b>
CUTTING, SLICING MACHINE OPERATORS, TENDERS	778	92944
CUTTING, SLICING MACHINE SETTERS, SET-UP OPERATORS	777	92941
<b>DAIRY PROCESSING EQUIPMENT OPERATORS--INCLUDING SETTERS</b>	<b>774</b>	<b>92932</b>
DANCERS AND CHOREOGRAPHERS	263	34053
DATA BASE ADMINISTRATORS	104	25103
DATA ENTRY KEYERS--EX COMPOSING	365	56017
DATA KEYERS--COMPOSING	366	56021
DATA PROCESSING EQUIPMENT REPAIRERS	539	85705
<b>DEMONSTRATORS AND PROMOTERS</b>	<b>296</b>	<b>49034</b>
DENTAL ASSISTANTS	435	66002
DENTAL HYGIENISTS	233	32908
DENTAL LAB TECHNICIANS, PRECISION	684	89921
<b>DENTISTS</b>	<b>206</b>	<b>32105</b>
DERRICK OPERATORS--OIL, GAS EXTRACTION	617	87914
DESIGNERS, EX INTERIOR DESIGNERS	258	34038
DETAIL DESIGN DECORATORS, PAINTERS, PRECISION	681	89911
DETECTIVES, INVESTIGATORS--EX PUBLIC	412	63035
DIETETIC TECHNICIANS	229	32523
<b>DIETITIANS AND NUTRITIONISTS</b>	<b>228</b>	<b>32521</b>
DINING ROOM ATTENDANTS, BAR HELPERS	423	65014
DIRECTORS, RELIGIOUS ACTIVITIES, EDUCATION	132	27505
DIRECTORY ASSISTANCE OPERATORS	371	57105
DISPATCHERS--EX POLICE, FIRE, AMBULANCE	382	58005

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DISPATCHERS--POLICE, FIRE, AMBULANCE	381	58002
DRAFTERS	78	22514
DRAGLINE OPERATORS	875	97926
DREDGE OPERATORS	876	97928
DRILLING MACHINE SETTERS--METAL, PLASTIC	692	91108
<b>DRIVER/SALES WORKERS</b>	<b>841</b>	<b>97117</b>
DRYWALL INSTALLERS	573	87108
DUPLICATING MACHINE OPERATORS	361	56005
DYERS, PRECISION	658	89521
<b>EARTH DRILLERS, EXCEPT OIL AND GAS</b>	<b>613</b>	<b>87902</b>
ECONOMICS TEACHERS, POSTSECONDARY	168	31233
ECONOMISTS--INCLUDING MARKET RESEARCH ANALYSTS	120	27102
EDUCATION ADMINISTRATORS	10	15005
EDUCATION TEACHERS, POSTSECONDARY	178	31252
ELECTRIC HOME APPLIANCE & POWER TOOL REPAIRERS	541	85711
<b>ELECTRIC METER INSTALLERS, REPAIRERS</b>	<b>553</b>	<b>85911</b>
ELECTRIC MOTOR, AND RELATED REPAIRERS	542	85714
ELECTRICAL AND RELATED WORKERS	577	87200
ELECTRICAL EQUIPMENT ASSEMBLERS--PRECISION	797	93114
<b>ELECTRICAL EQUIPMENT MECHANICS, NEC</b>	<b>548</b>	<b>85799</b>
ELECTRICAL INSTALLERS--TRANSPORTATION EQUIPMENT	547	85728
ELECTRICAL POWER-LINE INSTALLERS	545	85723
ELECTRICAL, ELECTRONIC ASSEMBLERS	802	93905
ELECTRICAL, ELECTRONIC ENGINEERING TECHS	75	22505
ELECTRICAL, ELECTRONIC ENGINEERS	61	22126
<b>ELECTRICIANS</b>	<b>578</b>	<b>87202</b>
ELECTROCARDIOGRAPH TECHNICIANS	240	32926
ELECTROLYTIC PLATING, MACHINE OPERATORS	721	91921
ELECTROLYTIC PLATING, MACHINE SETTER	720	91917
<b>ELECTROMECHANICAL EQUIPMENT ASSEMBLERS--PRECISION</b>	<b>796</b>	<b>93111</b>
ELECTROMEDICAL, BIOMEDICAL EQUIPMENT REPAIRER	552	85908
ELECTRONEURODIAGNOSTIC TECHNOLOGISTS	238	32923
ELECTRONIC DATA PROCESSING AND OFFICE MACHINE WORKERS	359	56000
ELECTRONIC HOME ENTERTAINMENT EQUIPMENT REPAIRERS	540	85708
ELECTRONIC PAGINATION SYSTEM WORKERS	662	89707
<b>ELECTRONIC SEMICONDUCTOR PROCESSORS</b>	<b>764</b>	<b>92902</b>
ELECTRONICS REPAIRERS--COMMERCIAL AND INDUSTRIAL	543	85717
ELEVATOR INSTALLERS AND REPAIRERS	560	85932
ELEVATOR OPERATORS	449	67011
<b>EMBALMERS</b>	<b>271</b>	<b>39014</b>
EMERGENCY MEDICAL TECHNICIANS	223	32508
EMPLOYMENT INTERVIEWERS--PRIVATE OR PUBLIC	40	21508
ENGINEERING TEACHERS, POSTSECONDARY	161	31222
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCE MANAGERS	8	13017
ENGINEERING, RELATED TECHS	73	22500
<b>ENGINEERING, RELATED TECHS, NEC</b>	<b>81</b>	<b>22599</b>
<b>ENGINEERS</b>	<b>52</b>	<b>22100</b>
ENGINEERS, ARCHITECTS, SURVEYORS	51	22000
ENGINEERS, NEC	67	22199
<b>ENGLISH LANGUAGE &amp; LITERATURE TEACHERS, POSTSECONDARY</b>	<b>158</b>	<b>31214</b>

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ENGRAVING, PRINTING WORKERS--HAND	817	93951
ESTIMATORS, DRAFTERS--UTILITIES	79	22517
ETCHERS, ENGRAVERS--PRECISION	638	89128
EXCAVATING, LOADING MACHINE OPS	874	97923
EXTRACTIVE AND RELATED WORKERS	612	87900
<b>EXTRACTIVE WORKERS--EX HELPERS, NEC</b>	<b>625</b>	<b>87989</b>
EXTRUDING MACHINE OPERATORS, TENDERS--SYNTHETIC/GLASS	755	92708
EXTRUDING MACHINE SETTERS--METAL/PLASTIC	700	91311
EXTRUDING, FORMING MACHINE OPERATORS, TENDERS	787	92971
<b>EXTRUDING, FORMING, SETTERS, SET-UP OPERATORS</b>	<b>786</b>	<b>92968</b>
FALLERS AND BUCKERS	472	73002
FARM AND HOME MANAGEMENT ADVISORS	193	31323
FARM EQUIPMENT MECHANICS	525	85321
FARM EQUIPMENT OPERATORS	484	79021
FARMWORKERS-FARM/RANCH ANIMALS	490	79858
<b>FARMWORKERS-FOOD, FIBER CROPS</b>	<b>489</b>	<b>79856</b>
FENCE ERECTORS	610	87817
FILE CLERKS	349	55321
FILM EDITORS	256	34032
<b>FINANCIAL ANALYSTS, STATISTICAL</b>	<b>115</b>	<b>25315</b>
FINANCIAL MANAGERS	3	13002
FINANCIAL SPECIALISTS, NEC	32	21199
FIRE FIGHTERS	403	63008
FIRE FIGHTING & PREVENTION SUPERVISORS	396	61002
FIRE INSPECTORS	401	63002
<b>FIRST-LINE SUP/MGR-AGRICULTURE</b>	<b>470</b>	<b>72002</b>
<b>FIRST-LINE SUP/MGR-AGRICULTURE, FORESTRY, FISHING</b>	<b>469</b>	<b>72000</b>
<b>FIRST-LINE SUP/MGR-BLUE COLLAR</b>	<b>493</b>	<b>81000</b>
<b>FIRST-LINE SUP/MGR-BLUE COLLAR, NEC</b>	<b>499</b>	<b>81099</b>
<b>FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT</b>	<b>300</b>	<b>51000</b>
FIRST-LINE SUP/MGR-CLERICAL, ADMINISTRATIVE SUPPORT	301	51002
FIRST-LINE SUP/MGR-CONSTRUCTION, EXTRACTIVE	495	81005
FIRST-LINE SUP/MGR-HELPERS, LABORERS	498	81017
FIRST-LINE SUP/MGR-MECHANICS, INSTALLERS, REPAIRERS	494	81002
FIRST-LINE SUP/MGR-PRODUCTION, OPERATING	496	81008
<b>FIRST-LINE SUP/MGR-SALES</b>	<b>274</b>	<b>41000</b>
<b>FIRST-LINE SUP/MGR-SALES</b>	<b>275</b>	<b>41002</b>
<b>FIRST-LINE SUP/MGR-SERVICE</b>	<b>395</b>	<b>61000</b>
<b>FIRST-LINE SUP/MGR-SERVICE WORKERS, NEC</b>	<b>399</b>	<b>61099</b>
<b>FIRST-LINE SUP/MGR-TRANSPORTATION</b>	<b>497</b>	<b>81011</b>
FISH AND GAME WARDENS	414	63041
FITTERS, STRUCTURAL METAL--PRECISION	795	93108
FLIGHT ATTENDANTS	460	68026
FLOOR LAYERS--EX CARPET, WOOD, TILES	595	87605
FLOOR SANDING MACHINE OPERATORS	596	87608
<b>FOOD AND TOBACCO WORKERS, NEC</b>	<b>676</b>	<b>89899</b>
FOOD BATCHMAKERS	675	89808
FOOD PREPARATION WORKERS	431	65038
FOOD SERVERS--OUTSIDE	422	65011
FOOD SERVICE AND LODGING MANAGERS	17	15026

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FOOD SERVICE WORKERS, NEC	433	65099
FOOD WORKERS, PRECISION	672	89800
FOOD, BEVERAGE PREPARATION, SERVICE WORKERS	418	65000
FOREIGN LANGUAGE & LITERATURE TEACHERS, POSTSECONDARY	159	31215
FOREST FIRE INSPECTORS, PREVENTION SPECIALISTS	402	63005
FOREST, CONSERVATION WORKERS	478	79002
FORESTERS, CONSERVATION SCIENTISTS	90	24302
FORGING MACHINE SETTERS—METAL, PLASTIC	702	91317
FOUNDRY MOLD ASSEMBLY, SHAKE-OUT	719	91914
FOUNDRY MOLD, COREMAKERS, PRECISION	678	89902
FRAME WIRERS, CENTRAL OFFICE	532	85505
FREIGHT, MATERIAL MOVERS-HAND, NEC	906	98799
FREIGHT, STOCK, MATERIAL MOVERS, HAND	903	98700
FUNERAL ATTENDANTS	465	68041
FUNERAL DIRECTORS AND MORTICIANS	270	39011
FURNACE OPERATORS AND TENDERS	726	91935
FURNACE, KILN, OVEN, DRIER, KETTLE OPERATORS, TENDERS	771	92923
FURNITURE FINISHERS	647	89314
GAS APPLIANCE REPAIRERS	563	85944
GAS COMPRESSOR OPERATORS	873	97921
GAS PLANT OPERATORS	823	95005
GAS PUMPING STATION OPERATORS	872	97917
GAUGERS	827	95017
GEM AND DIAMOND WORKERS	686	89926
GENERAL MANAGERS, TOP EXECUTIVES	21	19005
GENERAL OFFICE CLERKS	358	55347
GEOGRAPHY TEACHERS, POSTSECONDARY	169	31234
GEOLOGISTS, GEOPHYSICISTS, OCEANOGRAPHERS	87	24111
GLAZIERS	608	87811
GLAZIERS, MANUFACTURING	804	93911
GRADER, BULLDOZER, SCRAPER OPERATORS	879	97938
GRADERS, SORTERS—AGRICULTURAL PRODUCTS	480	79011
GRADUATE ASSISTANTS, TEACHING	149	31117
GRINDING MACHINE SETTER—METAL, PLASTIC	694	91114
GRINDING, POLISHING WORKERS—HAND	818	93953
GUARDS AND WATCH GUARDS	416	63047
GUIDES	457	68017
HAIRDRESSERS, HAIRSTYLISTS, COSMETOLOGISTS	453	68005
HAND COMPOSITORS AND TYPESETTERS	659	89702
HAND PACKERS AND PACKAGERS	908	98902
HAND WORKERS, NEC	820	93999
HAND WORKERS—JEWELRY, PRECISION	637	89126
HARD TILE SETTERS	582	87308
HAZARDOUS MATERIALS REMOVAL WORKERS	605	87803
HEAD SAWYERS	734	92305
HEALTH ASSESSMENT, TREATMENT TEACHERS, POSTSECONDARY	156	31212
HEALTH CARE MAINTENANCE, TREATING	220	32500
HEALTH CARE PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS NEC	244	32999
HEALTH DIAGNOSING, TREATING PRACTITIONERS	204	32100
HEALTH DIAGNOSING, TREATING, NEC	211	32199

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HEALTH DIAGNOSTICS TEACHERS, POSTSECONDARY	155	31211
HEALTH PRACTITIONERS, TECHS, RELATED	203	32000
HEALTH SERVICE WORKERS, NEC	444	66099
HEALTH SERVICE, RELATED WORKERS	434	66000
HEAT TREATING MACHINE OPERATORS, TENDERS	725	91932
<b>HEATERS, METAL &amp; PLASTIC</b>	<b>727</b>	<b>91938</b>
HEATING EQUIPMENT SETTERS-METAL, PLASTIC	724	91928
HEATING, AIR CONDITIONING, REFRIGERATION MECHANICS	550	85902
HELPERS, LABORERS, HAND-EX AG	888	98000
<b>HELPERS, MECHANIC &amp; REPAIRER</b>	<b>890</b>	<b>98102</b>
HELPERS-BRICK, STONE MASONS	892	98311
HELPERS-CARPENTERS AND RELATED	893	98312
HELPERS-CONSTRUCTION TRADES & EXTRACTIVE WORKERS	900	98399
HELPERS-CONSTRUCTION TRADES, NEC	898	98319
HELPERS-ELECTRICIANS, POWERLINE INSTALLERS	894	98313
<b>HELPERS-EXTRACTIVE WORKERS</b>	<b>899</b>	<b>98323</b>
HELPERS-PAINTERS AND RELATED	895	98314
HELPERS-PLUMBERS AND RELATED	896	98315
HELPERS-ROOFERS	897	98316
<b>HIGHWAY MAINTENANCE WORKERS</b>	<b>601</b>	<b>87711</b>
HISTORY TEACHERS, POSTSECONDARY	170	31235
HOIST AND WINCH OPERATORS	880	97941
HOME ECONOMICS TEACHERS, POSTSECONDARY	182	31262
HOME HEALTH AIDES	438	66011
HOSTS, HOSTesses-RESTAURANTS	419	65002
<b>HOTEL DESK CLERKS</b>	<b>331</b>	<b>53808</b>
HOUSEKEEPING SUPERVISORS	398	61008
HUMAN SERVICES WORKERS	128	27308
INDUSTRIAL ENGINEERING TECHS	76	22508
<b>INDUSTRIAL ENGINEERS-EXCEPT SAFETY</b>	<b>63</b>	<b>22128</b>
INDUSTRIAL PRODUCTION MANAGERS	13	15014
INDUSTRIAL TRUCK,TRACTOR OPERATORS	882	97947
INDUSTRY SPECIFIC CLERICAL, ADMINISTRATIVE SUPPORT	302	53000
INSPECTORS, PRECISION, TESTERS & GRADERS	501	83002
INSPECTORS, PRODUCTION, TESTERS & GRADERS	502	83005
<b>INSPECTORS, RELATED OCCUPATIONS</b>	<b>500</b>	<b>83000</b>
INSPECTORS, TESTERS, RELATED, NEC	504	83099
INSTALLERS & REPAIRERS, MOBILE HOME	562	85938
INSTRUCTIONAL COORDINATORS	201	31517
<b>INSTRUCTORS AND COACHES-SPORTS</b>	<b>192</b>	<b>31321</b>
INSTRUCTORS-NON-VOC EDUCATION	191	31317
INSTRUMENT MAKERS, PRECISION	630	89105
INSTRUMENT REPAIRERS, PRECISION	551	85905
INSULATION WORKERS	604	87802
INSURANCE ADJUSTERS, EXAMINERS, INVESTIGATORS	315	53302
<b>INSURANCE APPRAISERS-AUTO DAMAGE</b>	<b>316</b>	<b>53305</b>
INSURANCE CLAIMS CLERKS	318	53311
<b>INSURANCE EXAMINING CLERKS</b>	<b>317</b>	<b>53308</b>
INSURANCE POLICY PROCESSING CLERKS	319	53314
<b>INSURANCE UNDERWRITERS</b>	<b>26</b>	<b>21102</b>

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INSURANCE WORKERS	314	53300
INTERIOR DESIGNERS	259	34041
INTERVIEWING CLERKS--EX PERSONNEL, WELFARE	353	55332
INVESTIGATIVE, RELATED, EX INSURANCE	320	53500
INVESTIGATORS--CLERICAL	322	53505
JANITORS, CLEANERS--EXCEPT MAIDS	447	67005
JEWELERS AND SILVERSMITHS	636	89123
JOB PRINTERS	660	89705
JUDGES AND MAGISTRATES	136	28102
LABORERS, LANDSCAPING/GROUNDSKEEPING	487	79041
LANDSCAPE ARCHITECTS	71	22308
LATHE MACHINE SETTERS--METAL, PLASTIC	691	91105
LATHERS	575	87114
LAUNDRY, DRYCLEAN MACHINE OPERATORS--EX PRESSING	761	92726
LAW AND RELATED OCCUPATIONS	134	28000
LAW CLERKS	140	28302
LAW TEACHERS, POSTSECONDARY	175	31244
LAWN SERVICE MANAGER	19	15032
LAWYERS	138	28108
LAWYERS AND RELATED WORKERS	135	28100
LAYOUT WORKERS--METAL, PRECISION	634	89117
LECTURERS	147	31111
LEGAL ASSISTANTS, TECHNICIANS, EX CLERICAL	139	28300
LEGAL ASSISTANTS, TECHNICIANS--EX CLERICAL, NEC	144	28399
LETTERPRESS SETTERS, SET-UP OPS	741	92515
LIBRARIANS, ARCHIVISTS AND RELATED	195	31500
LIBRARIANS--PROFESSIONAL	196	31502
LIBRARY ASSISTANTS & BOOKMOBILE DRIVERS	333	53902
LIBRARY SCIENCE TEACHERS, POSTSECONDARY	180	31256
LICENSE CLERKS	327	53708
LICENSED PRACTICAL NURSES	222	32505
LIFE SCIENCES TEACHERS, POSTSECONDARY	151	31202
LIFE SCIENTISTS	89	24300
LIFE SCIENTISTS, NEC	94	24399
LITHOGRAPHY & PHOTOENGRAVING, PRECISION	663	89710
LITHOGRAPHY& PHOTOENGRAVING WORKERS,NEC	669	89719
LOADING MACHINE OPERATORS--MINING	877	97932
LOAN AND CREDIT CLERKS	310	53121
LOAN INTERVIEWERS	307	53111
LOAN OFFICERS AND COUNSELORS	28	21108
LOCKSMITHS AND SAFE REPAIRERS	557	85923
LOCOMOTIVE ENGINEERS	845	97305
LOCOMOTIVE FIRERS	847	97311
LODGING AND TRAVEL WORKERS	328	53800
LOG GRADERS AND SCALERS	479	79008
LOGGING TRACTOR OPERATORS	475	73011
LOG-HANDLING EQUIPMENT OPERATORS	474	73008
LONGSHORE EQUIPMENT OPERATORS	867	97902
MACHINE ASSEMBLERS	801	93902
MACHINE BUILDERS, OTHER PRECISION MACHINE ASSEMBLERS	794	93105

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MACHINE FEEDERS AND OFFBEARERS	901	98500
MACHINE FEEDERS AND OFFBEARERS, NEC	902	98502
MACHINE FORMING OPERATORS, TENDRS--METAL, PLASTIC	703	91321
MACHINE FORMING SETTERS--METAL, PLASTIC	696	91300
MACHINE OPERATORS AND TENDERS, NEC	790	92998
<b>MACHINE SETTER, SET-UP, OPERATOR--EX METAL, PLASTIC</b>	<b>763</b>	<b>92900</b>
MACHINE SETTERS, SET-UP OPERATORS, NEC	789	92997
MACHINE SETTERS, SET-UP, OPERATORS, TENDERS	688	91000
MACHINE TOOL CUTTING OPERATORS--METAL, PLASTIC	695	91117
<b>MACHINE TOOL CUTTING--METAL, PLASTIC</b>	<b>689</b>	<b>91100</b>
MACHINE TOOL SETTERS, OPERATORS--METAL, PLASTIC	704	91500
MACHINERY AND RELATED MECHANICS	506	85100
MACHINERY MAINTENANCE MECHANICS	507	85110
MACHINERY MAINTENANCE MECHANICS, NEC	513	85119
MACHINERY MAINTENANCE WORKERS	516	85128
<b>MACHINISTS</b>	<b>631</b>	<b>89108</b>
MAIDS AND HOUSEKEEPING CLEANERS	446	67002
MAIL CLERKS--EX MAIL MACHINE OPERATORS, POSTAL SERVICE	376	57302
MAIL MACH OPERATORS--PREPARATION AND HANDLING	362	56008
<b>MAIL MESSAGE DISTRIBUTION WORKERS</b>	<b>375</b>	<b>57300</b>
MAIN LINE STATION ENGINEERS	871	97914
MAINTENANCE MECHANICS--MARINE EQUIPMENT	510	85116
MAINTENANCE MECHANICS--SEWING MACHINE	509	85113
MAINTENANCE MECHANICS--TEXTILE	508	85112
MAINTENANCE MECHANICS--WATER, POWER	512	85118
<b>MAINTENANCE REPAIRERS, GENERAL UTILITY</b>	<b>517</b>	<b>85132</b>
<b>MANAGEMENT ANALYSTS</b>	<b>44</b>	<b>21905</b>
<b>MANAGEMENT SUPPORT OCCUPATIONS</b>	<b>24</b>	<b>21000</b>
MANAGEMENT SUPPORT WORKERS, NEC	50	21999
<b>MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS</b>	<b>2</b>	<b>10000</b>
MANAGERS AND ADMINISTRATORS, NEC	22	19999
MANICURISTS	454	68008
MARINE ARCHITECTS	70	22305
MARINE ENGINEERS	66	22138
MARKETING, ADVERTISING, PUBLIC RELATIONS MANAGERS	6	13011
<b>MARKING CLERKS</b>	<b>387</b>	<b>58021</b>
<b>MASONRY AND RELATED WORKERS</b>	<b>579</b>	<b>87300</b>
<b>MATERIAL MOVEMENT EQUIP OPERATORS</b>	<b>866</b>	<b>97900</b>
<b>MATERIAL MOVING EQUIPMENT OPERATORS, NEC</b>	<b>886</b>	<b>97989</b>
<b>MATERIAL RECORDING, DISPATCHING</b>	<b>380</b>	<b>58000</b>
MATERIAL RECORDING, RELATED, NEC	391	58099
MATES--SHIP, BOAT, AND BARGE	853	97505
MATHEMATICAL SCIENCES TEACHERS, POSTSECONDARY	163	31224
MATHEMATICAL SCIENTISTS	112	25310
MATHEMATICAL SCIENTISTS AND RELATED	110	25300
<b>MATHEMATICAL SCIENTISTS, NEC</b>	<b>116</b>	<b>25319</b>
<b>MATHEMATICAL TECHNICIANS</b>	<b>117</b>	<b>25323</b>
MEAT, POULTRY, FISH CUTTERS, TRIMMERS--HAND	813	93938
MECHANIC AND REPAIRER HELPERS	889	98100
<b>MECHANICAL CONTROL, VALVE INSTALLERS</b>	<b>559</b>	<b>85928</b>

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MECHANICAL ENGINEERING TECHS	77	22511
MECHANICAL ENGINEERS	65	22135
MECHANICS, INSTALLERS, REPAIRERS	505	85000
MECHANICS, INSTALLERS, REPAIRERS, NEC	568	85999
MECHANICS, NEC	529	85399
MEDICAL APPLIANCE MAKERS	685	89923
MEDICAL ASSISTANTS	436	66005
MEDICAL RECORDS TECHNICIANS	234	32911
MEDICAL SCIENTISTS	93	24311
MEDICAL, CLINICAL LABORATORY TECHNICIANS	232	32905
MEDICAL, CLINICAL LABORATORY TECHNOLOGISTS	231	32902
MEDICINE, HEALTH SERVICES MGRS	11	15008
MENDERS, GARMENTS AND LINENS	567	85956
MERCHANDISE DISPLAYERS, WINDOW TRIMMERS	260	34044
MERCHANDISE, PRODUCTS AND OTHER SALES	286	49000
MESSENGERS	379	57311
METAL FABRICATING MACHINE SETTERS, OPERATORS	708	91700
METAL FABRICATOR, STRUCTURAL METAL PRODUCTS	713	91714
METAL MOLDING MACHINE OPERATORS AND TENDERS	718	91911
METAL MOLDING, MACHINE SETTER, SET-UP OPERATORS	717	91908
METAL POURERS, CASTERS--BASIC SHAPES	814	93941
METAL WORKERS, NEC--PRECISION	641	89199
METAL WORKERS, PRECISION	628	89100
METAL, PLASTIC MACHINE SETTERS, OPERATORS NEC	729	92100
METAL, PLASTIC PROCESSING MACHINE SETTERS	714	91900
METALLURGISTS, RELATED ENGINEERS	54	22105
METER READERS--UTILITIES	385	58014
MILLING MACHINE SETTERS--METAL, PLASTIC	693	91111
MILLWRIGHTS	514	85123
MINE CUTTING, CHANNELING MACHINE OPERATORS	623	87943
MINING ENGINEERS--INCLUDING MINE SAFETY	55	22108
MINING MACHINE OPERATORS	621	87940
MINING MACHINE OPERATORS, NEC	624	87949
MINING, QUARRYING, OIL AND GAS, RELATED MANAGERS	15	15021
MISC AG, FORESTRY, FISHING	477	79000
MISC HELPERS, LABORERS--HAND	907	98900
MISC HELPERS, LABORERS--HAND, NEC	910	98999
MISC METAL, PLASTIC MACHINE SETTERS, OPERATORS	728	91999
MISC SERVICE WORKERS	466	69000
MISC TRANSPORTATION WORKERS	861	97800
MISCELLANEOUS INDUSTRY SPECIFIC WORKERS	332	53900
MISCELLANEOUS MECHANICS, INSTALLERS, REPAIRERS	549	85900
MISCELLANEOUS PROFESSIONALS, PARAPROFESSIONALS, TECHNICAL	266	39000
MISCELLANEOUS SECRETARIAL, GENERAL OFFICE OCCUPATIONS	343	55300
MOBILE EQUIPMENT MECHANICS, INSTALLERS, REPAIRERS	518	85300
MOBILE HEAVY EQUIPMENT MECHANICS--EX ENGINES	523	85314
MODELS	297	49036
MOLDERS AND CASTERS--HAND	815	93944
MOLDERS, SHAPERS--EX JEWELRY	679	89905
MOTION PICTURE PROJECTIONISTS	765	92905

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
MOTOR VEHICLE OPERATORS	835	97100
MOTOR VEHICLE OPERATORS, NEC	842	97199
MOTORBOAT OPERATORS	855	97511
MOTORCYCLE REPAIRERS	521	85308
MUNICIPAL CLERKS	326	53705
<b>MUNICIPAL WORKERS</b>	<b>324</b>	<b>53700</b>
MUSIC DIRECTORS, SINGERS, COMPOSERS	261	34047
MUSICAL INSTRUMENT REPAIRERS AND TUNERS	556	85921
MUSICIANS--INSTRUMENTAL	262	34051
<b>NATURAL SCIENTISTS AND RELATED WORKERS</b>	<b>82</b>	<b>24000</b>
NEW ACCOUNTS CLERKS	305	53105
NONELECTROLYTIC PLATING MACHINE OPERATORS	723	91926
NONELECTROLYTIC PLATING MACHINE SETTERS	722	91923
NUCLEAR ENGINEERS	58	22117
NUCLEAR MEDICINE TECHNOLOGISTS	236	32914
<b>NUCLEAR TECHNICIANS &amp; TECHNOLOGISTS</b>	<b>98</b>	<b>24508</b>
NUMERICAL MACHINE TOOL OPERATORS--METAL, PLASTIC	705	91502
NUMERICAL TOOL, PROCESS PROGRAMMERS	108	25111
NURSE AIDES, ORDERLIES, ATTENDANTS	437	66008
<b>NURSERY GREENHOUSE MANAGER</b>	<b>18</b>	<b>15031</b>
NURSING INSTRUCTORS, POSTSECONDARY	148	31114
OCCUPATIONAL THERAPISTS	214	32305
OCCUPATIONAL THERAPY ASSISTANTS & AIDES	441	66021
OCCUPATIONS NOT CLASSIFIED	911	
OFFICE MACHINE OPERATORS, NEC	367	56099
<b>OFFICE MACHINE, CASH REGISTER SERVICERS</b>	<b>558</b>	<b>85926</b>
OFFSET LITHOGRAPHIC PRESS SETTERS	740	92512
OIL PUMPERS--EXCEPT WELLHEAD	869	97908
OPERATING ENGINEERS	885	97956
<b>OPERATIONS, SYSTEMS RESEARCHERS, ANALYSTS--EX COMPUTER</b>	<b>111</b>	<b>25302</b>
OPTICAL GOODS WORKERS, PRECISION	683	89917
OPTICIANS--DISPENSING, MEASURING	225	32514
OPTOMETRISTS	207	32108
ORDER CLERKS--MATERIALS, SERVICE	350	55323
ORDER FILLERS--WHOLESALE, RETAIL SALES	389	58026
<b>ORDINARY SEAMEN AND MARINE OILERS</b>	<b>857</b>	<b>97517</b>
OTHER ELECTRICAL EQUIPMENT MECHANICS	537	85700
OTHER HAND WORKERS	800	93900
<b>OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, TECHNICIANS</b>	<b>230</b>	<b>32900</b>
<b>OTHER MANAGEMENT SUPPORT WORKERS</b>	<b>42</b>	<b>21900</b>
OTHER PRECISION WORKERS	677	89900
OTHER PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	272	39999
OTHER SOCIAL SCIENCE RELATED WORKERS	124	27300
OTHER TEACHERS AND INSTRUCTORS	184	31300
PACKAGING, FILLING MACHINE OPERATORS, TENDERS	788	92974
<b>PAINTERS AND RELATED WORKERS</b>	<b>586</b>	<b>87400</b>
PAINTERS, PAPERHANGERS--CONSTRUCTION & MAINTENANCE	587	87402
PAINTERS, TRANSPORTATION EQUIPMENT	779	92947
PAINTING, COATING, DECORATING--HAND	816	93947
PAINTING, COATING, SPRAYING MACHINE OPERATORS, TENDERS	781	92953

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
PAINTING, COATING, SPRAYING MACHINE SETTERS	780	92951
PAPER GOODS MACHINE SETTERS, SET-UP OPERATORS	768	92914
PARALEGAL PERSONNEL	141	28305
PARKING ENFORCEMENT OFFICERS	407	63021
PARKING LOT ATTENDANTS	864	97808
<b>PARKS, RECREATION, LEISURE, FITNESS STUDIES TEACHERS, POSTSEC</b>	<b>181</b>	<b>31258</b>
PASTE-UP WORKERS	661	89706
PATTERN AND MODEL MAKERS--METAL	633	89114
PATTERN AND MODEL MAKERS--WOOD	643	89302
<b>PATTERN MARKERS--WOOD</b>	<b>644</b>	<b>89305</b>
PATTERNMAKERS AND LAYOUT WORKERS	650	89502
PATTERNMAKERS, MODEL MAKERS, LAYOUT	680	89908
PAVING, TAMPING-EQUIPMENT OPERATORS	600	87708
PAYROLL AND TIMEKEEPING CLERKS	356	55341
PERIPHERAL EDP EQUIPMENT OPERATORS	364	56014
<b>PERSONAL SERVICE OCCUPATIONS</b>	<b>451</b>	<b>68000</b>
PERSONAL, HOME CARE AIDES	463	68035
PERSONNEL CLERKS--EX PAYROLL AND TIMEKEEPING	347	55314
PERSONNEL, TRAINING, LABOR RELATIONS MANAGERS	4	13005
<b>PERSONNEL, TRAINING, LABOR RELATIONS SPECIALISTS, NEC</b>	<b>41</b>	<b>21511</b>
PERSONNRL, TRAINING, LABOR RELATIONS SPECIALISTS	37	21500
PEST CONTROLLERS AND ASSISTANTS	448	67008
PETRO REFINERY, CONTROL PANEL OPERATORS	826	95014
PETROLEUM ENGINEERS	56	22111
PETROLEUM PUMP SYSTEM OPERATORS	825	95011
<b>PETROLEUM TECHNICIANS &amp; TECHNOLOGISTS</b>	<b>99</b>	<b>24511</b>
PHARMACISTS	226	32517
PHARMACY AIDES	443	66026
PHARMACY TECHNICIANS	227	32518
<b>PHILOSOPHY &amp; RELIGION TEACHERS, POSTSECONDARY</b>	<b>179</b>	<b>31254</b>
PHOTOENGRAVERS	664	89712
PHOTOENGRAVING, LITHOGRAPHIC MACHINE OPERATORS	749	92545
PHOTOGRAPHERS	253	34023
PHOTOGRAPHIC PROCESS WORKER, PRECISION	682	89914
PHOTOGRAPHIC PROCESSING MACHINE OPERATORS,TENDERS	766	92908
<b>PHYSICAL SCIENCE TEACHERS, POSTSECONDARY</b>	<b>154</b>	<b>31209</b>
PHYSICAL SCIENTISTS	83	24100
PHYSICAL SCIENTISTS, NEC	88	24199
PHYSICAL THERAPISTS	215	32308
<b>PHYSICAL THERAPY ASSISTANTS &amp; AIDES</b>	<b>440</b>	<b>66017</b>
PHYSICAL, LIFE SCIENCE TECHS	95	24500
PHYSICAL, LIFE SCIENCE TECHS, NEC	100	24599
PHYSICIAN ASSISTANTS	224	32511
PHYSICIANS AND SURGEONS	205	32102
PHYSICISTS AND ASTRONOMERS	84	24102
<b>PHYSICS TEACHERS, POSTSECONDARY</b>	<b>153</b>	<b>31206</b>
PILE DRIVING OPERATORS	599	87705
PILOTS--SHIP	854	97508
PIPELAYERS	591	87508
<b>PIPELAYING FITTERS</b>	<b>590</b>	<b>87505</b>

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
<b>PLANT AND SYSTEM OCCUPATIONS</b>	821	95000
PLANT AND SYSTEM OPERATORS, NEC	833	95099
PLASTERERS AND STUCCO MASONS	585	87317
PLASTIC MOLDING, CASTING MACHINE OPERATORS	716	91905
PLASTIC MOLDING, CASTING MACHINE SETTER	715	91902
<b>PLATEMAKERS</b>	668	89718
PLUMBERS AND RELATED WORKERS	588	87500
PLUMBERS, PIPEFITTERS, STEAMFITTERS	589	87502
PODIATRISTS	208	32111
<b>POLICE AND DETECTIVE SUPERVISORS</b>	397	61005
POLICE DETECTIVES	404	63011
POLICE PATROL OFFICERS	405	63014
POLITICAL SCIENCE TEACHERS, POSTSECONDARY	171	31236
PORTABLE MACHINE CUTTERS	810	93928
POSTAL MAIL CARRIERS	377	57305
<b>POSTAL SERVICE CLERKS</b>	378	57308
POSTMASTERS, MAIL SUPERINTENDENTS	9	15002
POSTSECONDARY TEACHERS	146	31100
POSTSECONDARY TEACHERS, NEC	183	31299
<b>POWER DISTRIBUTORS AND DISPATCHERS</b>	831	95028
POWER PLANT OPS-EX AUXILIARY EQUIPMENT	828	95021
POWER REACTOR OPERATORS	830	95026
POWERHOUSE, RELAY ELECTRICIANS	544	85721
PRESS MACHINE SETTERS--METAL, PLASTIC	698	91305
PRESSERS--DELICATE FABRICS	655	89517
<b>PRESSERS--HAND</b>	807	93921
PRESSING MACHINE OPERATORS, TENDERS--TEXTILE, GARMENT RELATED	762	92728
PRINTING PRESS MACHINE OPERATORS, TENDER	748	92543
PRINTING PRESS SETTERS, SET-UP OPERATORS	739	92510
PRINTING PRESS SETTERS, SET-UP OPERATORS NEC	742	92519
PRINTING RELATED SETTERS, SET-UP OPERATORS, NEC	746	92529
PRINTING WORKERS, NEC--PRECISION	671	89799
PRINTING WORKERS, PRECISION	658	89700
PRINTING, BINDING, RELATED MACHINE OPERATORS, TENDERS	751	92549
PRINTING, BINDING, RELATED WORKERS	738	92500
<b>PROCUREMENT CLERKS</b>	351	55326
PRODUCERS, DIRECTORS, ACTORS	264	34056
PRODUCTION OCCUPATIONS, PRECISION	627	89000
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, MATERIAL HANDLING	492	80000
<b>PRODUCTION PLANNING, EXPEDITING CLERKS</b>	383	58008
PROFESSIONAL, PARAPROFESSIONAL, TECHNICAL	23	20000
PROOFREADERS AND COPY MARKERS	336	53911
PROPERTY, REAL ESTATE MANAGERS	12	15011
PROTECTIVE SERVICE OCCUPATIONS	400	63000
PROTECTIVE SERVICE WORKERS, NEC	417	63099
<b>PRUNERS</b>	485	79033
PSYCHIATRIC AIDES	439	66014
PSYCHIATRIC TECHNICIANS	242	32931
PSYCHOLOGISTS	122	27108
PSYCHOLOGY TEACHERS, POSTSECONDARY	172	31237

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PUBLIC ADMINISTRATION CHIEF EXECS, LEGISLATORS, GENERAL ADMIN	20	19002
PUBLIC RELATIONS SPECIALISTS, PUBLICITY WRITERS	248	34008
PUMP OPERATORS	884	97953
PUNCHING MACHINE SETTERS--METAL, PLASTIC	697	91302
PURCHASING AGENTS AND BUYERS	33	21300
PURCHASING AGENTS AND BUYERS--FARM PRODS	35	21305
PURCHASING AGENTS--EX WHOLESALE, RETAIL, FARM PRODUCTS	36	21308
PURCHASING MANAGERS	5	13008
RADIATION THERAPISTS	235	32913
RADIO MECHANICS	535	85514
RADIO OPERATORS	269	39008
RADIOLOGIC TECHNOLOGISTS	237	32919
RAIL CAR REPAIRERS	524	85317
RAIL TRANSPORTATION WORKERS	843	97300
RAIL VEHICLE OPERATIVES, NEC	850	97399
RAIL YARD ENGINEERS AND RELATED	846	97308
RAILROAD BRAKE, SIGNAL, SWITCH OPERATORS	849	97317
RAILROAD CONDUCTORS, YARDMASTERS	844	97302
RAILROAD, TRANSIT POLICE, SPECIAL AGENTS	413	63038
RAIL-TRACK LAYING, MAINTENANCE EQUIPMENT OPERATORS	602	87714
REAL ESTATE CLERKS	337	53914
RECEPTIONISTS, INFORMATION CLERKS	345	55305
RECREATION WORKERS	129	27311
RECREATIONAL THERAPISTS	218	32317
REFRACTORY MATERIALS REPAIRERS	515	85126
REFUSE & RECYCLABLE MATERIAL COLLECTORS	905	98705
REGISTERED NURSES	221	32502
REINFORCING METAL WORKERS	584	87314
RELIGIOUS WORKERS	130	27500
RELIGIOUS WORKERS, NEC	133	27599
REPORTERS AND CORRESPONDENTS	249	34011
RESERVATION, TRANSPORTATION TICKET AGENTS	330	53805
RESIDENTIAL COUNSELORS	127	27307
RESPIRATORY THERAPISTS	213	32302
RIGGERS	561	85935
ROASTING, BAKING, DRYING MACHINE OPERATORS--FOOD, TABACCO	770	92921
ROCK SPLITTERS, QUARRY	615	87908
ROLLING MACHINE SETTERS--METAL, PLASTIC	701	91314
ROOF BOLTERS	620	87923
ROOFERS	607	87808
ROTARY DRILL OPERATORS--OIL, GAS EXTRACTION	616	87911
ROUSTABOUTS	619	87921
SAFETY ENGINEERS--EXCEPT MINING	64	22132
SALES AGENTS, PLACERS--INSURANCE	277	43002
SALES AGENTS--ADVERTISING	284	43023
SALES AGENTS--FINANCIAL SERVICES	281	43014
SALES AGENTS--REAL ESTATE	279	43008
SALES AGENTS--SELECTED BUSINESS SERVICES	282	43017
SALES AND RELATED OCCUPATIONS	273	40000
SALES AND RELATED WORKERS, NEC	298	49999

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SALES ENGINEERS	287	49002
SALES REPRESENTATIVES, NON-SCIENTIFIC--EX RETAIL	289	49008
SALES REPRESENTATIVES, SALESPERSONS, SERVICES--NEC	285	43099
SALES REPRESENTATIVES, SCIENTIFIC--EX RETAIL	288	49005
SALES WORKERS--SERVICE	276	43000
SALESPERSONS, RETAIL	290	49011
SALESPERSONS--PARTS	291	49014
SAWING MACHINE OPERATORS AND TENDERS	735	92308
SAWING MACHINE SETTERS, SET-UP OPERATORS	733	92302
SAWING MACHINE TOOL SETTERS--METAL, PLAST	690	91102
SCANNER OPERATORS	666	89715
SCREEN PRINTING MACHINE SETTERS, SET-UP	744	92524
SECRETARIAL, GENERAL OFFICE	338	55000
SECRETARIES	339	55100
SECRETARIES, EX LEGAL AND MEDICAL	342	55108
SECRETARIES, LEGAL	340	55102
SECRETARIES, MEDICAL	341	55105
SELECTED ROAD, RAIL AND RELATED	597	87700
SEPARATING, STILL MACHINE OPERATORS, TENDERS	784	92962
SEPTIC TANK SEWER PIPE CLEANERS	592	87511
SERVICE OCCUPATIONS	394	60000
SERVICE STATION ATTENDANTS	863	97805
SERVICE UNIT OPERATORS	618	87917
SERVICE WORKERS, NEC	467	69999
SEWERS--HAND	808	93923
SEWING MACHINE OPERATORS--GARMENT	758	92717
SEWING MACHINE OPERATORS--NON-GARMENT	759	92721
SHAMPOOERS	455	68011
SHEAR MACHINE SETTERS--METAL, PLASTIC	699	91308
SHEET METAL DUCT INSTALLERS	606	87805
SHEET METAL WORKERS	639	89132
SHERIFFS AND DEPUTY SHERIFFS	411	63032
SHIP ENGINEERS	858	97521
SHIPFITTERS	635	89121
SHIPPING, RECEIVING, TRAFFIC CLERKS	390	58028
SHOE AND LEATHER WORKERS--PRECISION	653	89511
SHOE SEWING MACHINE OPERATORS, TENDERS	760	92723
SHUTTLE CAR OPERATORS	878	97935
SIGNAL OR TRACK SWITCH MAINTAINERS	534	85511
SLAUGHTERERS AND BUTCHERS	673	89802
SMALL ENGINE SPECIALISTS	528	85328
SOCIAL SCIENCE TEACHERS, POSTSECONDARY	165	31230
SOCIAL SCIENCES TEACHERS, POSTSECONDARY	173	31239
SOCIAL SCIENTISTS, NEC	123	27199
SOCIAL SCIENTISTS, RECREATION, RELIGIOUS	118	27000
SOCIAL SCIENTISTS--INCLUDING URBAN, REGIONAL PLANNERS	119	27100
SOCIAL WORK TEACHERS, POSTSECONDARY	177	31247
SOCIAL WORKERS--EX MEDICAL, PSYCHIATRIC	126	27305
SOCIAL WORKERS--MEDICAL, PSYCHIATRIC	125	27302
SOLDERERS AND BRAZERS	806	93917

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OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
SOLDERING, BRAZING MACHINE OPERATORS, TENDERS	712	91711
SOLDERING, BRAZING MACHINE SETTERS	711	91708
SPECIAL AGENTS--INSURANCE	39	21505
SPECIALTY MATERIALS PRINTING MACHINE SETTERS	743	92522
SPEECH PATHOLOGISTS, AUDIOLOGISTS	217	32314
<b>SPOTTERS--DRY CLEANING</b>	<b>654</b>	<b>89514</b>
SPRayers, APPlicATORS	486	79036
STATEMENT CLERKS	312	53126
STATION INSTALLERS--TELEPHONE	546	85726
STATIONARY ENGINEERS	832	95032
STATISTICAL CLERKS	352	55328
STATISTICIANS	113	25312
STENOGRAPHERS AND/OR COURT REPORTERS	344	55302
STEVEDORES--EX EQUIPMENT OPERATORS	904	98702
STOCK CLERKS--SALES FLOOR	293	49021
<b>STOCK CLERKS--STOCKROOM, WAREHOUSE</b>	<b>388</b>	<b>58023</b>
STONEMASONS	581	87305
STRIPPERS	667	89717
STRUCTURAL METAL WORKERS	609	87814
<b>SUBWAY AND STREETCAR OPERATORS</b>	<b>848</b>	<b>97314</b>
SURGICAL TECHNICIANS	241	32928
SURVEYING, MAPPING TECHS	80	22521
SURVEYORS, MAPPING SCIENTISTS	72	22311
SWITCHBOARD OPERATORS	370	57102
SYSTEMS ANALYSTS--ELECTRONIC DATA PROCESSING	103	25102
<b>TANK CAR AND TRUCK LOADERS</b>	<b>868</b>	<b>97905</b>
TAPERS	574	87111
TAX EXAMINERS, COLLECTORS, REVENUE AGENTS	47	21914
TAX-PREPARERS	29	21111
<b>TAXI DRIVERS AND CHAUFFEURS</b>	<b>840</b>	<b>97114</b>
TEACHER AIDES, EDUCATIONAL ASSISTANTS, CLERICAL	334	53905
TEACHER AIDES, PARAPROFESSIONAL	202	31521
TEACHERS AND INSTRUCTORS, NEC	194	31399
TEACHERS, EDUCATORS, LIBRARIANS	145	31000
TEACHERS--ELEMENTARY SCHOOL	187	31305
<b>TEACHERS--KINDERGARTEN</b>	<b>186</b>	<b>31304</b>
TEACHERS--PRESCHOOL	185	31303
TEACHERS--SECONDARY SCHOOL	188	31308
TEACHERS--SPECIAL EDUCATION	189	31311
TEACHERS--VOCATIONAL EDUCATION AND TRAINING	190	31314
TECHNICAL ASSISTANTS--LIBRARY	197	31505
TECHNICAL WRITERS & EDITORS	247	34005
TELEGRAPH AND TELETYPE OPERATORS	373	57111
TELEGRAPH, TELETYPE INSTALLERS	533	85508
TELEMARKETERS, SOLICITORS & RELATED	295	49026
<b>TELEPHONE, CABLE TELEVISION LINE INSTALLERS</b>	<b>538</b>	<b>85702</b>
TELLERS	304	53102
TEXTILE BLEACHING, DYEING MACHINE OPERATORS	757	92714
TEXTILE DRAW-OUT MACHINE OPERATORS, TENDERS	756	92711
TEXTILE MACHINE SETTERS, SET-UP OPERATORS	753	92702

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
TEXTILE OPERATORS, TENDERS--WINDING, TWISTING, KNITTING, WEAVING, CUTTING	754	92705
TEXTILE, APPAREL, FURNISHINGS, NEC--PREC	657	89599
TEXTILE, APPAREL, FURNISHINGS, PREC	649	89500
TEXTILE, RELATED SETTERS, OPERATORS	752	92700
THERAPISTS	212	32300
<b>THERAPISTS, NEC</b>	<b>219</b>	<b>32399</b>
TIMBER CUTTING AND LOGGING	471	73000
TIMBER CUTTING AND RELATED, NEC	476	73099
TIRE BUILDING MACHINE OPERATORS	767	92911
<b>TIRE REPAIRERS AND CHANGERS</b>	<b>566</b>	<b>85953</b>
TITLE EXAMINERS AND ABSTRACTORS	143	28311
TITLE SEARCHERS	142	28308
TOOL AND DIE MAKERS	629	89102
TOOL GRINDERS, FILERS, SHARPENERS	632	89111
TRAFFIC TECHNICIANS	268	39005
<b>TRANSIT CLERKS</b>	<b>306</b>	<b>53108</b>
TRANSPORTATION AGENTS	384	58011
TRANSPORTATION AND RELATED WORKERS, NEC	865	97899
TRANSPORTATION ATTENDANTS--EX FLIGHT ATTENDANTS	461	68028
<b>TRANSPORTATION INSPECTORS</b>	<b>503</b>	<b>83008</b>
TRANSPORTATION, MATERIAL MOVING EQUIPMENT OPERATORS, NEC	887	97999
TRANSPORTATION, MATERIAL MOVING MACHINE OPERATORS	834	97000
TRAVEL AGENTS	283	43021
TRAVEL CLERKS	329	53802
TRUCK DRIVERS, HEAVY	836	97102
<b>TRUCK DRIVERS, LIGHT</b>	<b>837</b>	<b>97105</b>
TYPESETTING, COMPOSING MACHINE OPERATORS	747	92541
TYPISTS, INCLUDING WORD PROCESSING	346	55307
UNDERGROUND MINE MACHINERY MECHANICS	511	85117
UNITED STATES MARSHALS	409	63026
UPHOLSTERERS	652	89508
URBAN AND REGIONAL PLANNERS	121	27105
USHERS, LOBBY ATTENDANTS	458	68021
VEHICLE WASHERS, EQUIPMENT CLEANERS	909	98905
VETERINARIANS AND VETERINARY INSPECTORS	210	32114
<b>VETERINARY ASSISTANTS</b>	<b>488</b>	<b>79806</b>
VETERINARY TECHNICIANS & TECHNOLOGISTS	243	32951
VOCATIONAL & EDUCATIONAL COUNSELOR	200	31514
WAITERS AND WAITRESSES	421	65008
<b>WARDROBE, LOCKER, DRESSING ROOM ATTENDANTS</b>	<b>462</b>	<b>68032</b>
WATCH ASSEMBLERS, RELATED--PRECISION	798	93117
WATCHMAKERS	555	85917
WATER TRANSPORTATION WORKERS	851	97500
WATER TREATMENT PLANT OPERATORS	822	95002
WEIGHERS, MEASURERS--RECORDKEEPING	386	58017
<b>WELDERS AND CUTTERS</b>	<b>805</b>	<b>93914</b>
WELDING MACHINE OPERATORS AND TENDERS	710	91705
WELDING MACHINE SETTERS, SET-UP OPERATORS	709	91702
WELFARE ELIGIBLE WORKERS, INTERVIEWERS	321	53502
WELLHEAD PUMPERS	870	97911

## Alphabetical Index of Occupations

OCCUPATION	LINE NUMBER	CALIFORNIA OES CODE
WHOLESALE, RETAIL BUYERS--EX FARM PRODUCTS	34	21302
WOOD MACHINISTS	645	89308
WOODWORKERS, NEC--PRECISION	648	89399
WOODWORKERS, PRECISION	642	89300
WOODWORKING MACHINE OPERATORS,TENDERS--EX SAWING	737	92314
WOODWORKING MACHINE SETTERS, OPERATORS	732	92300
WOODWORKING MACHINE SETTERS--EX SAWING	736	92311
WORKERS, PRECISION--NEC	687	89999
WRITERS AND EDITORS	246	34002
WRITERS, ARTISTS, ENTERTAINERS, ATHLETES	245	34000



# Standard Industrial Classification Manual

The Standard Industrial Classification (SIC) is a nationally standardized system for identifying and coding business establishments according to their industrial activity. An "establishment" is an economic unit, generally located at a single physical location, where business is conducted or where services or industrial operations are performed. The Standard Industrial Classification (SIC) Manual is the reference guide used to accurately apply and/or understand the classification coding system.

The SIC Manual's format separates industries into ten broad divisions, such as manufacturing and retail trade. Within those broad groupings are more specific two-digit codes, as well as more detailed three-digit and four-digit codes, that identify specific industries. Brief narratives describe the kinds of establishments contained in each classification category.

## Suggestions for Users

The SIC Manual facilitates the collection, analysis and publication of information about business establishments. This standardized system is used throughout the United States to promote uniformity in the publications of private and governmental agencies. The Employment Development Department's field office personnel use the manual to assign SIC codes to employers to aid in providing services. Trade associa-

tions and private industry use the manual in reference books, such as the California Manufacturers Register.

The manual can help one to understand the composite industries summarized in publications. However, all public sector workers are usually grouped together into a category called "government", which includes federal, state and local government, and state and local education.

The U.S. Department of Labor, Occupational Safety and Health Administration provides SIC information on the Internet at <http://www.osha.gov/oshstats/sicser.html>

The SIC Manual may be purchased from U.S. Government Bookstores, Bureau of Labor Statistics, or the Superintendent of Documents in Los Angeles or San Francisco. For information about purchasing this manual, contact:

U.S. Government Bookstore  
Marathon Plaza, Room 141-S  
303 2nd Street  
San Francisco, CA 94107  
Phone - (415) 512-2770  
Fax - (415) 512-2776  
<http://access.gpo.gov>

# North American Industry Classification System

The United States has a new industry classification system. The North American Industry Classification System (NAICS) will soon replace the U.S. Standard Industrial Classification (SIC) system.

NAICS is the first-ever North American Industry classification system. The system was developed by the U.S., Canada, and Mexico to provide comparable statistics across the three countries. For the first time, government and business analysts will be able to compare directly industrial production statistics collected and published in the three North American Free Trade Agreement countries.

NAICS will reshape the way we view our changing economy. It is a unique, all-new system for classifying business establishments. It is the first economic classification system to be constructed based on a single economic concept. Economic units that use like processes to produce goods or services are grouped together. This "production-oriented" system means that statistical agencies in the United States will produce data that can be used for:

- measuring productivity, unit labor costs, and the capital intensity of production;
- constructing input-output relationships and;
- estimating employment-output relationships and other such statistics that require that inputs and outputs be used together.

NAICS responds to increasing and serious criticism about the SIC. NAICS reflects the structure of today's economy in the United States, Canada , and Mexico, including the emergence and growth of the service sector and new and advanced technologies. It is a flexible system that allows each country to recognize important industries below the level at which comparable data will be shown for all three countries.

The 1997 Economic Census will provide the first official NAICS-based statistics. Advance statistics will appear in early 1999. A report in 2000 will show relationships between NAICS and SIC industries.

Implementation by Federal agencies will be in phases. Some agency programs will convert to NAICS as early as 1999, others as late as 2004.

## How is NAICS better?

NAICS will make economic statistics more useful. It will improve basic benchmark and current performance statistics, like manufacturers' shipments, retail sales, and service receipts. It will improve statistics by providing an all-new industry classification system that is more:

*Relevant.* NAICS identifies new industries, revises concepts, and reorganizes classifications so that industry-classified statistics highlight businesses that contribute most to our economy.

**Consistent.** NAICS classifies businesses into industries based on one principle instead of several; the principle that businesses using similar production processes are classified together.

**Comparable.** NAICS provides first-ever comparability in North American industry classifications and economic statistics.

**Flexible.** NAICS classifications will be updated regularly to keep pace with changes in our economy; every 5 years, all three North American countries will review NAICS and make needed revisions.

#### **How NAICS will affect the economic data you use.**

Every sector of the economy has been restructured and redefined:

- A new *Information* sector combines communications, publishing, motion picture and sound recording, and online services, recognizing our information-based economy.
- *Manufacturing* is restructured to recognize new high-tech industries. A new subsector is devoted to computers and electronics, including reproduction of software.
- *Retail Trade* is redefined. In addition, eating and drinking places are transferred to a new *Accommodation and Food Services* sector.
- The difference between *Retail* and *Wholesale* is now based on how each store conducts business. For example, many computer stores are reclassified from wholesale to retail.
- Nine new service sectors and 250 new service industries are recognized.

#### **All new numbering system**

Numeric codes for each NAICS classification are completely different from those of the SIC. The new numbering system underscores the "clean slate" approach taken in NAICS and allows its classification changes to be fully developed. The new system provides five levels of classification (up from four in the SIC), detailed codes that have a maximum of six-digits (up from four in the SIC) and detailed classifications called "U.S. Industry" (instead of "Industry" in the SIC). These changes require new numbers, even for industries that continue without change. For example, both NAICS and SIC include the detailed industry, "Passenger car rental." However, in NAICS, it has code number 532111, and in the SIC, it was code number 7514. While all NAICS numeric codes are new, like the SIC, they are organized into multi-level hierarchical classification groups that build up from the detailed industry level. The additional level of classification and expanded number of digits permit NAICS to account for the increased number of classifications, provide flexibility in structuring industry classification groups, and allow for country-based variations in classification detail.

A variety of information resources are available to help users of business statistics understand and use NAICS. Additional information, answers to frequently asked questions, and updated agency implementation plans are available at the Census Bureau's Internet site:

[www.census.gov/naics](http://www.census.gov/naics)

Answers to specific classification and data program inquiries may also be addressed to industry experts at:

**Phone: 1-888-75NAICS  
E-mail: [naics@census.gov](mailto:naics@census.gov)**

# Projection Methods And Economic Assumptions

The employment projection process consists of two phases – first, projections for employment by industry are made using both historical data and current information about the economy. Next, the industry projections become a primary data source used to project changes in occupational employment.

Changes in occupational employment over time result from two principal sources: industry growth and technological change. In developing occupational employment projections, both of these components must be addressed.

The following is a discussion of how industry and occupational projections are developed, beginning with a description of data sources and followed by a description of the steps involved.

## Principal Data Sources

### Employment by Industry

The source of the official historical industry employment series used for industry projections for the state and each county is the Current Employment Statistics (CES) program. This is a Federal/State co-operative program that compiles monthly estimates of industry employment groupings for the state and each county. These monthly industry employment estimates are based primarily on employer sample surveys.

A second source used in industry forecasts is the Covered Employment and Wage Data, or ES-202 program. Essentially, this program extracts employment and wage information from quarterly tax returns filed by each California employer covered by unemployment insurance. Each employer has been assigned a specific industry and county code and these data are compiled to provide the 'actual' industry employment levels for each industry and county. These data are then used for benchmarking the monthly industry employment

estimates made in the CES program. This is also a Federal/State co-operative program.

### Employment by Occupation

Occupational employment estimates are based on survey data collected through the Occupational Employment Statistics (OES) program. The OES survey is an annual mail survey of non-farm employers conducted by the Employment Development Department in cooperation with the U.S. Bureau of Labor Statistics. The survey is based on a sample designed to represent the universe of employers in each state. In California, data are collected for over 800 occupations at the three-digit SIC level of detail. The survey samples approximately 110,000 business establishments over a three year period.

## The Process

### Industry Projections

Industry projections are first developed at aggregated levels (industry groupings) for the state and each county based on the Current Employment Statistics employment series.

Second, these aggregated industry projections are then broken down into more industry specific detail using the ES-202 data. The industry specific projections then become the primary source from which occupational projections are developed by using industry staffing patterns data. The following steps outline the process:

- Approximately every two years, industry employment projections are produced for the nation by the Bureau of Labor Statistics.
- Industry projections are then developed for the State using input from the national forecast and the historical industry employment series for the State.

- County industry projections are then developed using input from the state forecast and the historical employment series for each county.
- State projections are developed for ten years from the base period and county projections are developed for seven years from the base period.
- The State forecasts are reviewed by Labor Market Information Division (LMID) industry analysts, California's Department of Finance, and academics.
- County forecasts are reviewed by local area consultants who provide up to date information regarding recent developments in each county that would not normally be accounted for in the model.

### Occupational Projections

The distribution of industry employment by occupation is performed in three steps.

- OES survey responses are summarized by industry and matched with the appropriate SIC in the area. (In cases where local OES responses are not available, either statewide responses or another area's responses are substituted.)
- The survey data are adjusted to total to the annual average employment level for each industry. This results in estimates of employment by occupation within the three-digit SICs for the base year.
- Finally, base year staffing patterns are adjusted to account for projected shifts in the occupational distributions due to technological changes. These projected changes are derived from special studies conducted by the U.S. Bureau of Labor Statistics. Applying these changes to the base year staffing patterns results in staffing patterns by three-digit SIC for the projected year. Projected year staffing patterns are applied to the industry employment projections to pro-

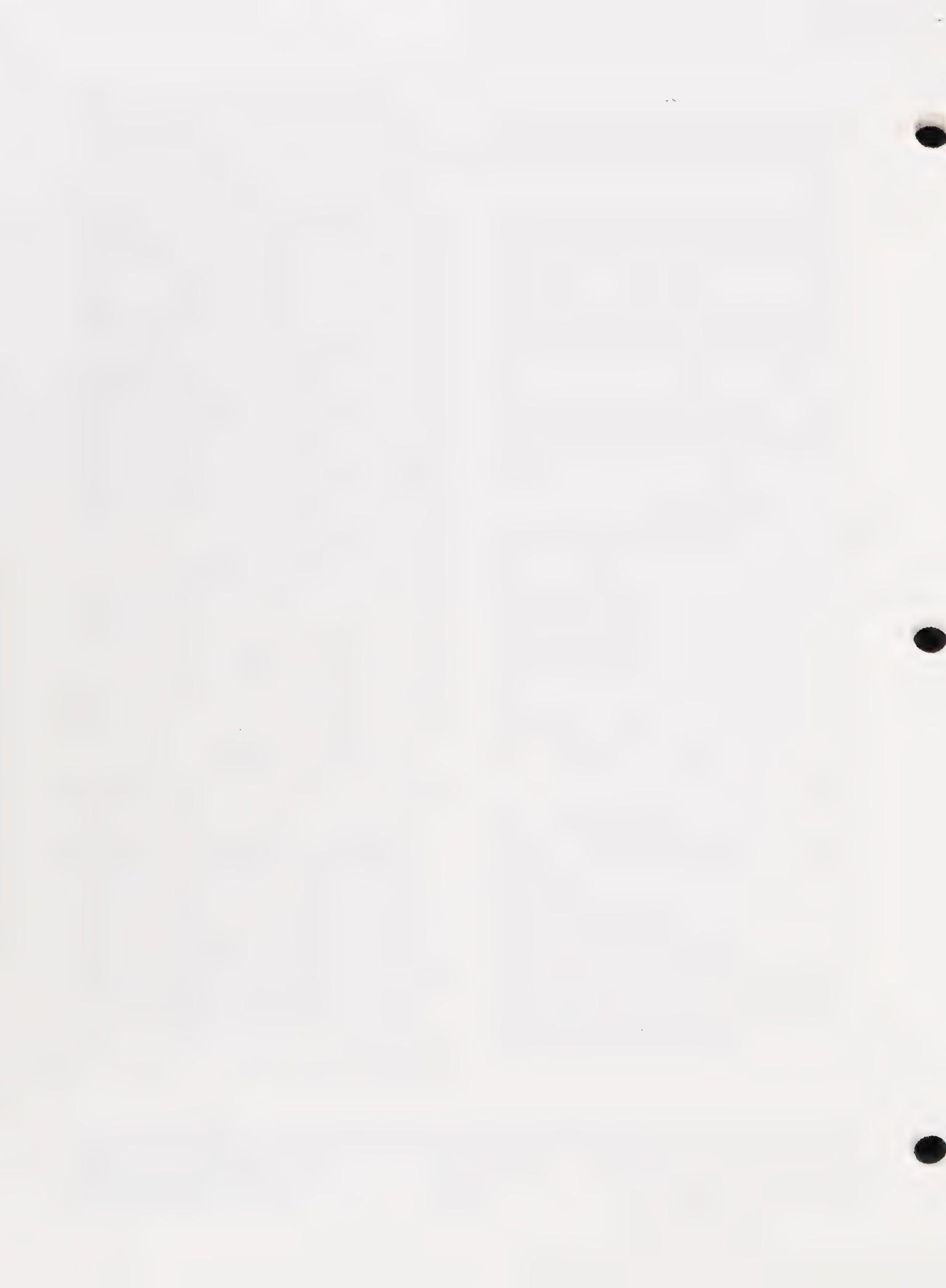
duce occupational employment projections within three-digit SICs. Data by occupation are then summed to get the occupational estimates. The difference between the base year occupation estimates and the projected year projections represents the job growth resulting from industry growth and from technological change. (Change factors do not try to predict regulatory changes.)

Demand for workers is also created by openings that result when workers leave their jobs to enter other occupations, retire, or leave the labor force for other reasons. These openings, termed *separations*, are important because, in most occupations, they exceed job openings resulting from employment growth. Even occupations that are projected to decline usually provide job openings due to separations. Separations are developed from separation rates compiled on a national basis every two years by the Bureau Of Labor Statistics.

### **Economic Assumptions**

The industry and occupational projections in this report are based on the following assumptions:

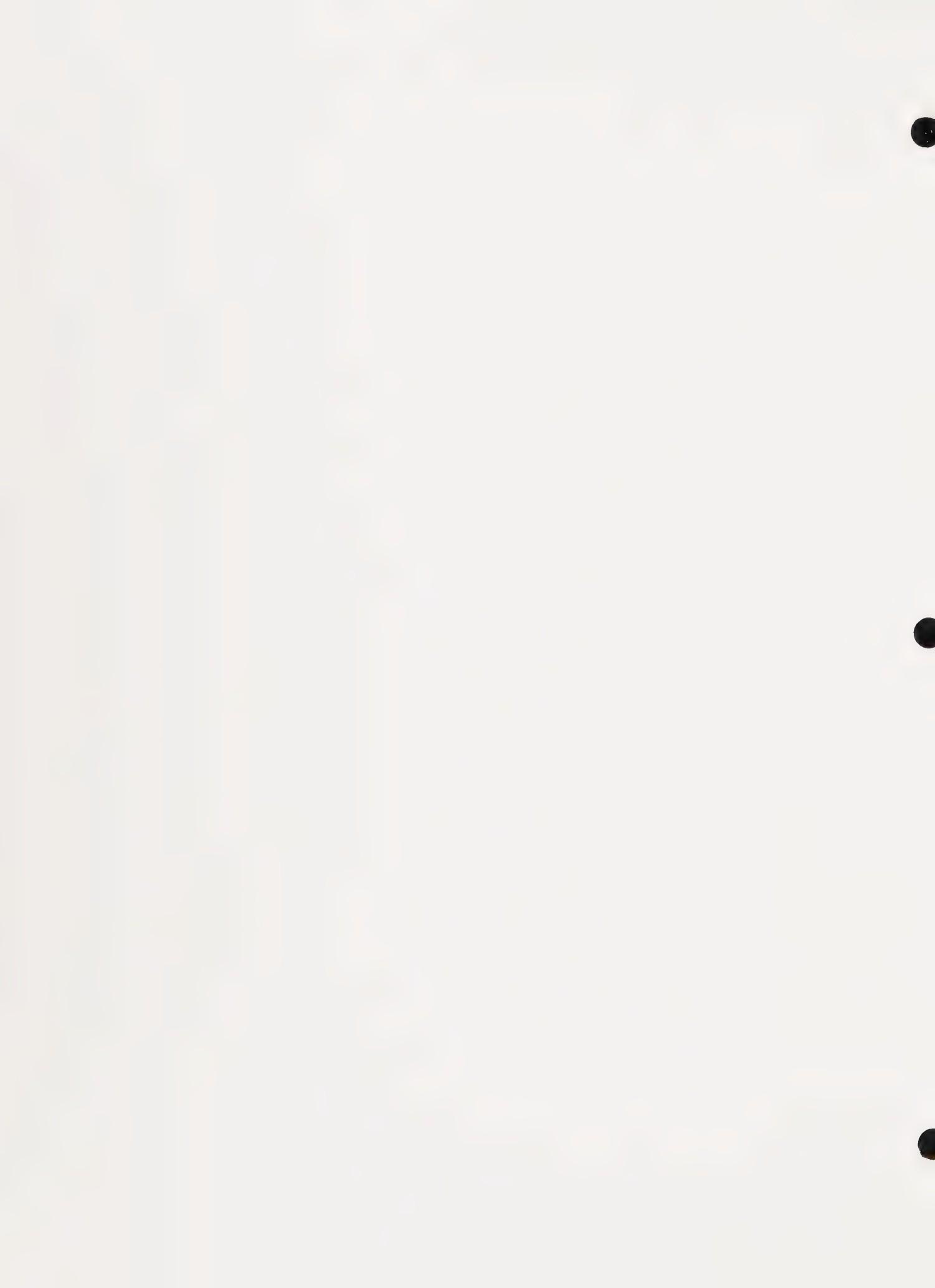
- ✓ The institutional framework of the U.S. economy will not change radically.
- ✓ Recent technological and scientific trends will continue.
- ✓ The long-term employment patterns will continue in most industries.
- ✓ Federal, state, and local government agencies will continue to operate under budgetary constraints.
- ✓ No major events, such as war, will occur that will significantly alter the industrial structure of the economy, the occupational staffing patterns, or the rate of long-term growth.
- ✓ Population growth rates and age distributions will not differ significantly from Department of Finance projections presently available.
- ✓ Attitudes toward work, education, income, and leisure will not change significantly.



*Projections*  
*& Planning*  
*Information*

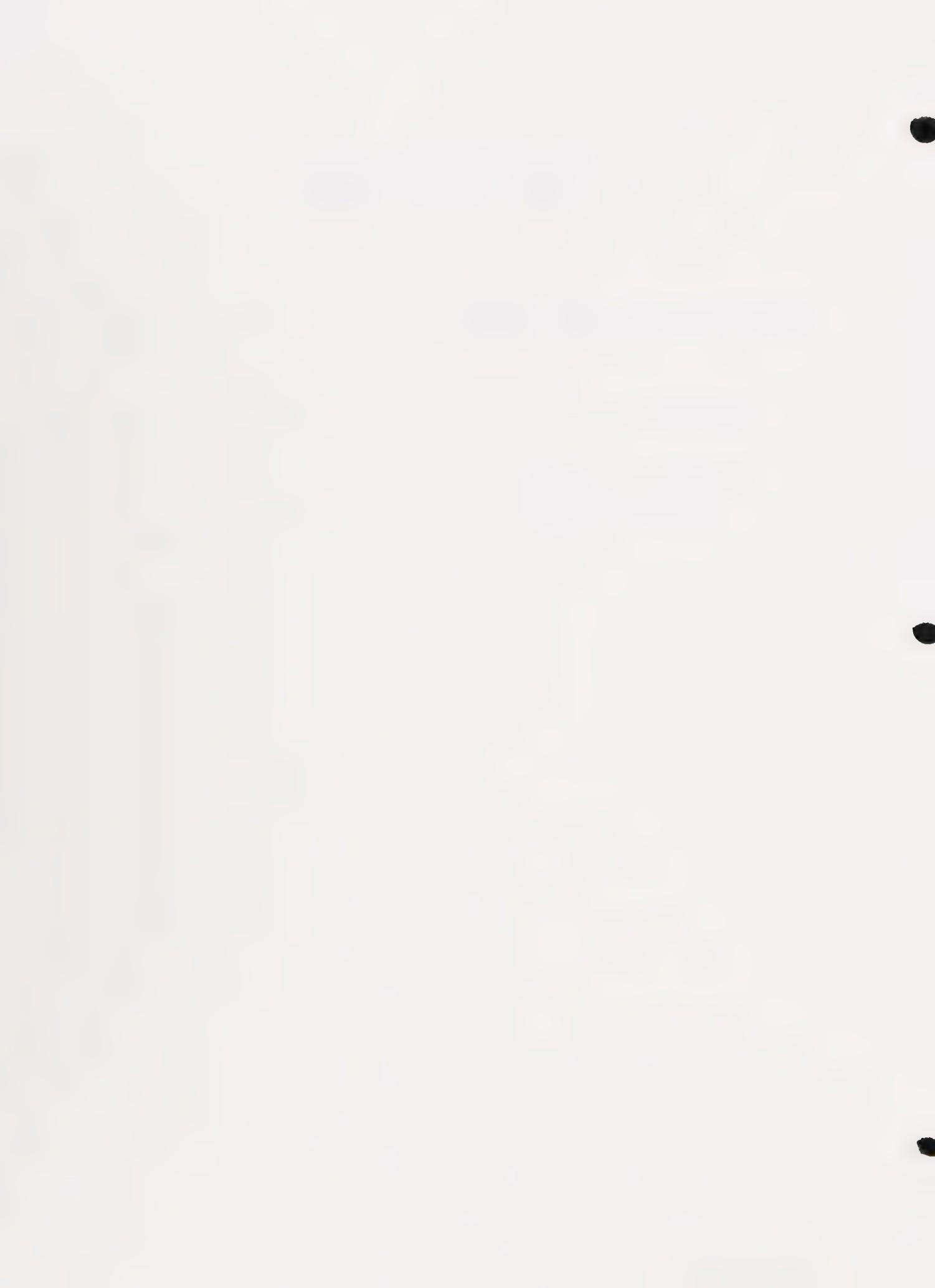
## **Module E:**

# **Wages**



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# Occupational Employment Statistics Wage Survey

The Occupational Employment Statistics (OES) survey is an annual mail survey measuring occupational employment and occupational wage rates for wage and salary workers in nonfarm establishments by industry. The survey samples approximately 37,000 establishments per year, taking 3 years to fully collect the sample of 113,000 establishments in California.

The 2000 OES survey is the second year to use the new Standard Occupational Classification (SOC) system to identify occupational categories. These survey samples are based only on two years of data collected in the 1999 and 2000 survey. Surveys prior to 1999 used the Occupational Employment Statistics (OES) classification system. Of the nearly 770 SOC occupations, 374 are a direct match with the OES classification system definitions. The rest are newly defined SOC occupations. The SOC structure and definitions can be found at the Bureau of Labor Statistics (BLS) SOC website at [www.bls.gov](http://www.bls.gov).

The wage data for all occupations have been updated to the third quarter of 2001 by applying the Employment Cost Index of the 2000 SOC wage database. The occupational employment estimates are for 2000. A more complete set of technical notes for the 2000 OES survey is available at the BLS website.

## 'Employment' Definition

The OES survey defines employment as the number of workers who can be classified as full-time or part-time employees; workers on paid vacations or other types of leave; workers on unpaid or short-term absences; salaried officers, executives, and staff members of incorporated firms; employees temporarily assigned to other units; and employees for whom the reporting unit is their permanent duty station, regardless of whether that unit prepares their paycheck. The survey excludes the self-employed, owners/partners of unincorporated firms, and unpaid family workers. Employees are reported in the occupation in which they are working, not necessarily for which they were trained.

## Business Establishment Description

The OES survey uses the Standard Industrial Classification (SIC) system to classify all an economic unit which processes goods or provides services, such as a factory or store. The establishment is generally at a single physical location and is engaged primarily in one type of economic activity.

The scope of the survey includes establishments in SIC codes 07, 10, 12 to 17, 20 to 42, 44 to 65, 67, 70, 72, 73, 75, 76, 78 to 84, 86, 87, and 89 covering agricultural services; mining; construction; manufacturing; transportation and public utilities; wholesale and retail trade; finance, insurance, and real estate; services; and government.

## Source of Sample Selection

The California Unemployment Insurance (UI) file provided the universe from which the OES survey draws its sample. The employment benchmark was obtained from reports submitted by employers to the UI program. In some nonmanufacturing industries, supplemental sources are used for establishments not reporting to the UI program.

The OES survey frame is stratified by area, industry and size class. Size classes are defined as follows:

<u>Size Class</u>	<u>Number of Employees</u>
1	1 to 4
2	5 to 9
3	10 to 19
4	20 to 49
5	50 to 99
6	100 to 249
7	250 and above

UI reporting units with 250 or more employees are sampled with certainty across a 3-year period. Generally, one-third of the certainty units are sampled each year in each state. There are some states that sample more than one-third of their certainty units during one survey year.

## Terms and Concepts

**Employment** represents the estimate of total wage and salary employment in an occupation across the industries in which it was surveyed. The OES survey form contains between 50 and 225 SOC occupations selected on the basis of the industry classification and size of the sampled establishments. To reduce paperwork and respondent burden, no survey form contains every SOC occupation. Thus, data for specific occupations are collected from establishments within industries that are the predominant employers of labor in those occupations.

**Wages** for the OES survey are straight-time gross pay, exclusive of premium pay. Included are base rate, cost-of-living allowances, guaranteed pay, hazardous duty pay, incentive pay including commissions and production bonuses, tips, and on-call pay. Excluded are back pay, jury duty pay, overtime pay, severance pay, shift differentials, non-production bonuses, employer cost of supplementary benefits, and tuition reimbursements.

The OES survey collects wage data in 12 intervals. Employers report the number of employees in an occupation per each wage range. The wage intervals are as follows:

<u>Interval</u>	<u>Hourly Wage</u>	<u>Annual Wage</u>
A	Under \$6.75	Under \$14,040
B	\$6.75 to 8.49	\$14,040 to 17,679
C	\$8.50 to 10.74	\$17,680 to 22,359
D	\$10.75 to 13.49	\$22,360 to 28,079
E	\$13.50 to 16.99	\$28,080 to 35,359
F	\$17.00 to 21.49	\$35,360 to 44,719
G	\$21.50 to 27.24	\$44,720 to 56,679
H	\$27.25 to 34.49	\$56,680 to 71,759
I	\$34.50 to 43.74	\$71,760 to 90,999
J	\$43.75 to 55.49	\$91,000 to 115,439
K	\$55.50 to 69.99	\$115,440 to 145,599
L	\$70.00 and over	\$145,600 and over

Wages are calculated using wage data from establishments in the industries that are the predominant employers of an occupation. Industries that do not typically employ workers in a given occupation are not included in the calculation of the mean and median wage.

**Mean Hourly Wage** is the estimated total wages for an occupation divided by its weighted survey employment. When the wages for an occupation are concentrated in the upper wage interval, it is not possible to calculate a reliable mean. In those instances, both the mean hourly wage and the mean annual wage are replaced by a "(3)" and the user is referred to the appropriate footnote. There are a small number of occupations where only an annual wage figure is provided; the workers in these occupations are generally paid on an annual basis, and their annual wage has been directly calculated from the reported survey data. Occupations that typically have a work-year of less than 2,080 hours include musical and entertainment occupations, aircraft pilots, flight attendants, and teachers. These occupations are identified in the data tables with "(2)" in the hourly wage cells.

**Median Hourly Wage** is the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below the median wage, and 50 percent earn wages above the median wage.

**Entry-Level Hourly Wage** is the mean of the first third of the wage distribution. This calculation is provided as a proxy for an entry-level wage.

**First Quartile Wage** is the estimated 25th percentile of the distribution of wages; 25 percent of workers in an occupation earn wages below the first quartile wage, and 75 percent earn wages above the first quartile wage.

**Third Quartile Wage** is the estimated 75th percentile of the distribution of wages; 75 percent of workers in an occupation earn wages below the third quartile wage, and 25 percent earn wages above the third quartile wage.

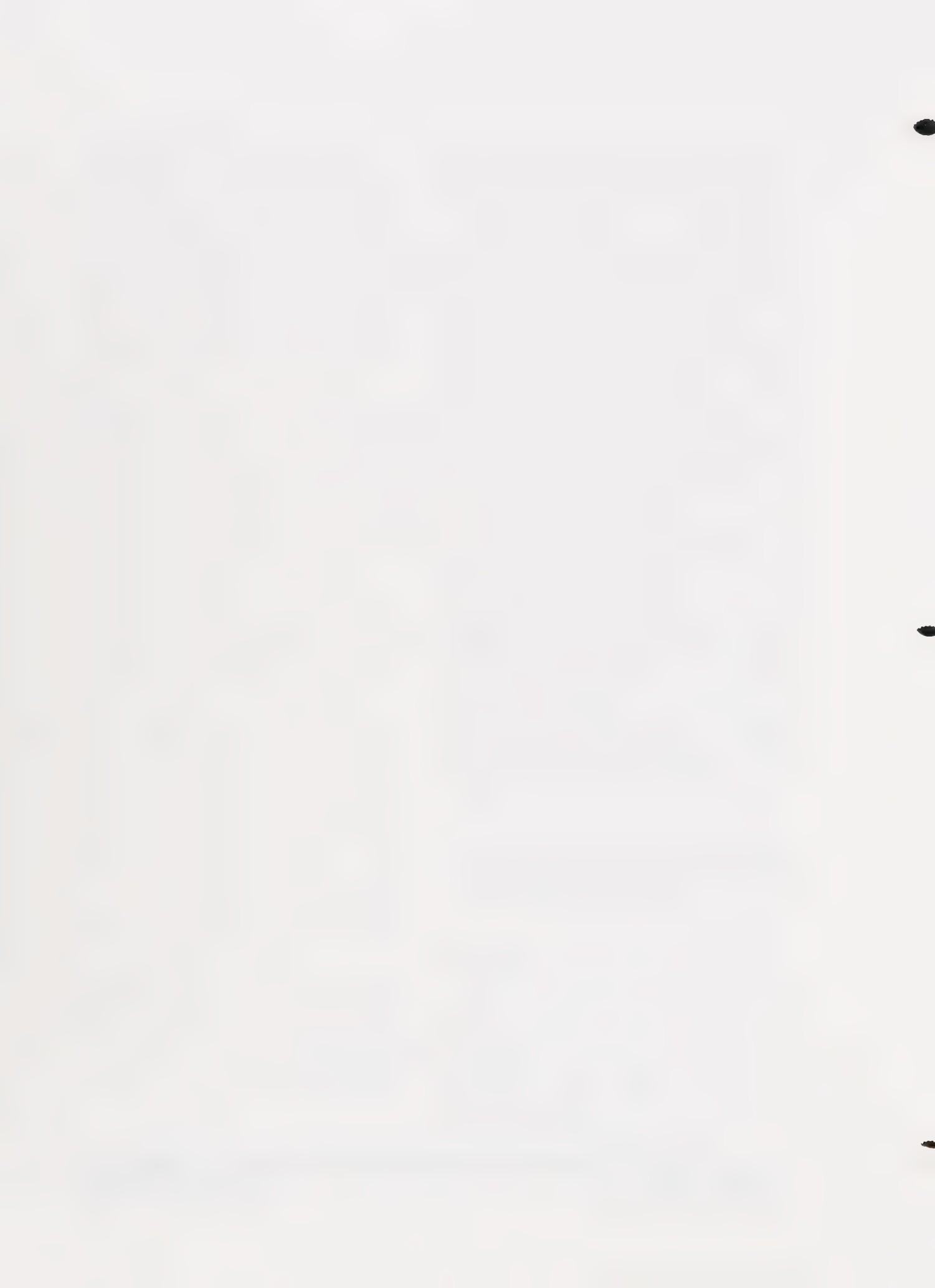
**Metropolitan Area** The general concept of a metropolitan area (MA) is one of a large population nucleus, together with adjacent communities that have a high degree of economic and social integration with that nucleus. Some MAs are defined around two or more nuclei. The MAs are designated and defined by the Federal Office of Management and Budget, following a set of official published standards. These standards were developed by

the Interagency Federal Executive Committee on Metropolitan Areas, with the aim of producing definitions that are as consistent as possible for all MAs nationwide.

**Metropolitan Statistical Area (MSA)** A MSA comprises one or more central counties. A MSA also may include one or more outlying counties that have close economic and social relationships with the central county. An outlying county must have a specified level of commuting to the central counties and also must meet certain standards regarding metropolitan character, such as population density, urban population, and population growth. The title of a MSA contains the name of its largest city and up to two additional city names, provided that the additional places meet specified levels of population, employment and commuting. Generally a city of 250,000 or more is in the title, regardless of other criteria.

**Primary Metropolitan Statistical Area (PMSA)** The criteria that designates and defines a MSA also designates and defines a PMSA. If an area that qualifies as a MA has more than one million persons, primary metropolitan statistical areas (PMSAs) may be defined within it. PMSAs consist of a large urbanized county or cluster of counties that demonstrate very strong internal economic and social links, in addition to close ties to other portions of the larger area. The title of a PMSA may contain up to three place names, or up to three county names, sequenced in order of population.

**Consolidated Metropolitan Statistical Area (CMSA)** A CMSA consists of two or more Primary Metropolitan Statistical Areas (PMSAs).



# Occupational Employment Statistics (OES) Survey Results

## Riverside - San Bernardino PMSA

### Riverside & San Bernardino Counties

These survey data are from the 2001 Occupational Employment Statistics (OES) survey. The wages have all been updated to the third quarter of 2002 by applying the US Department of Labor's Employment Cost Index to the 2001 wages. Occupations are classified using the Standard Occupational Classification (SOC) codes. For details of the methodology, see the Overview of the OES Survey at [http://www.calmis.ca.gov/file/occup\\$/oes\\$.htm](http://www.calmis.ca.gov/file/occup$/oes$.htm)

(Sorted by Occupational Title)

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-2011	Accountants and Auditors	\$16.56	\$25.88	\$18.51	\$22.96	\$30.32
15-2011	Actuaries	\$27.23	\$34.65	\$29.05	\$32.78	\$42.71
23-1021	Administrative Law Judges, Adjudicators, and Hearing Officers	\$28.44	\$42.50	\$33.79	\$45.53	\$52.34
11-3011	Administrative Services Managers	\$15.35	\$28.28	\$18.43	\$26.76	\$36.30
25-3011	Adult Literacy, Remedial Education, and GED Teachers and Instructors	\$14.80	\$25.36	\$18.15	\$25.69	\$31.39
11-2011	Advertising and Promotions Managers	\$17.85	\$33.34	\$20.45	\$30.61	\$42.03
41-3011	Advertising Sales Agents	\$9.51	\$22.10	\$10.79	\$16.82	\$28.45
17-2011	Aerospace Engineers	\$28.19	\$40.62	\$31.15	\$39.27	\$48.41
19-1010	Agricultural and Food Scientists	\$15.29	\$25.39	\$17.95	\$24.20	\$32.51
45-2091	Agricultural Equipment Operators	\$7.66	\$12.52	\$8.37	\$12.08	\$14.04
45-2011	Agricultural Inspectors	\$12.84	\$18.51	\$15.22	\$19.36	\$21.73
25-1041	Agricultural Sciences Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
53-2021	Air Traffic Controllers	\$23.91	\$30.81	\$26.61	\$31.12	\$35.50
53-1011	Aircraft Cargo Handling Supervisors	\$11.97	\$18.69	\$13.37	\$18.83	\$23.05

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-3011	Aircraft Mechanics and Service Technicians	\$16.76	\$21.62	\$18.77	\$22.77	\$25.35
51-2011	Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	\$9.61	\$17.77	\$11.04	\$18.45	\$24.72
53-2022	Airfield Operations Specialists	\$11.45	\$22.65	\$11.24	\$25.66	\$30.78
53-2011	Airline Pilots, Copilots, and Flight Engineers	(2)	(2)	(2)	(2)	(2)
27-1099	All Other Art and Design Workers	\$10.71	\$18.32	\$12.39	\$17.17	\$21.89
37-9099	All Other Building and Grounds Cleaning and Maintenance Workers	\$8.08	\$12.16	\$8.35	\$9.65	\$15.09
47-4999	All Other Construction Trades and Related Workers	\$10.72	\$17.44	\$11.59	\$16.24	\$23.51
21-9099	All Other Counselors, Social and Religious Workers	\$11.33	\$18.90	\$13.51	\$18.37	\$23.36
17-3099	All Other Drafters, Engineering, and Mapping Technicians	\$15.70	\$22.77	\$17.68	\$23.40	\$27.75
49-2099	All Other Electrical and Electronic Equipment Mechanics, Installers, and Repairers	\$9.55	\$16.70	\$10.72	\$16.13	\$21.28
43-4999	All Other Financial, Information, and Record Clerks	\$9.70	\$14.22	\$10.57	\$13.79	\$16.76
51-3099	All Other Food Processing Workers	\$6.79	\$8.92	\$6.84	\$7.36	\$10.40
29-9199	All Other Health Professionals and Technicians	\$12.40	\$18.92	\$13.62	\$16.68	\$24.20
23-9099	All Other Legal and Related Workers	\$14.74	\$22.23	\$16.19	\$20.36	\$26.46
43-5199	All Other Material Recording, Scheduling, Dispatching, and Distributing Workers	\$11.11	\$14.53	\$12.12	\$13.85	\$16.20
51-5099	All Other Printing Workers	\$7.97	\$10.51	\$8.12	\$9.36	\$11.27
43-9999	All Other Secretaries, Administrative Assistants, and Other Office Support	\$9.44	\$14.97	\$10.99	\$14.69	\$18.03
25-3999	All Other Teachers, Primary, Secondary, and Adult	(2)	(2)	(2)	(2)	(2)
53-3011	Ambulance Drivers and Attendants, Except Emergency Medical Technicians	\$9.89	\$16.63	\$11.77	\$14.84	\$22.63

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
39-3091	Amusement and Recreation Attendants	\$6.75*	\$7.36	\$6.75*	\$7.22	\$8.13
33-9011	Animal Control Workers	\$9.00	\$13.67	\$9.96	\$13.23	\$16.90
39-2011	Animal Trainers	\$6.75*	\$8.20	\$6.91	\$8.04	\$8.85
27-3010	Announcers	\$7.81	\$11.78	\$8.10	\$9.57	\$13.34
19-3091	Anthropologists and Archeologists	\$15.91	\$21.06	\$16.36	\$21.50	\$25.76
23-1022	Arbitrators, Mediators, and Conciliators	\$17.67	\$25.71	\$18.52	\$25.10	\$32.20
17-1011	Architects, Except Landscape and Naval	\$17.08	\$25.20	\$19.10	\$24.39	\$31.02
17-3011	Architectural and Civil Drafters	\$12.74	\$19.89	\$14.71	\$19.14	\$23.83
17-0000	Architecture and Engineering Occupations	\$17.21	\$27.15	\$20.47	\$26.79	\$33.38
25-4010	Archivists, Curators, and Museum Technicians	\$12.75	\$21.30	\$15.92	\$22.19	\$26.13
27-1011	Art Directors	\$16.95	\$31.08	\$19.90	\$26.12	\$38.77
25-1121	Art, Drama, and Music Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-0000	Arts, Design, Entertainment, Sports, and Media Occupations	\$8.24	\$15.95	\$9.45	\$14.15	\$20.51
51-2099	Assemblers and Fabricators, All Other	\$6.94	\$8.26	\$7.21	\$7.99	\$8.90
29-9091	Athletic Trainers	(2)	(2)	(2)	(2)	(2)
27-4011	Audio and Video Equipment Technicians	\$12.60	\$18.35	\$15.96	\$19.20	\$21.26
29-1121	Audiologists	\$19.73	\$20.78	\$19.10	\$20.47	\$21.84
25-9011	Audio-Visual Collections Specialists	\$13.80	\$18.25	\$15.95	\$18.16	\$21.04
49-3021	Automotive Body and Related Repairers	\$8.39	\$13.08	\$8.95	\$10.95	\$14.92
49-3022	Automotive Glass Installers and Repairers	\$13.28	\$16.85	\$14.50	\$16.71	\$19.68

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-3023	Automotive Service Technicians and Mechanics	\$9.44	\$15.21	\$10.08	\$13.20	\$19.86
49-2091	Avionics Technicians	\$19.55	\$23.81	\$19.77	\$22.19	\$25.61
39-6011	Baggage Porters and Bellhops	\$6.75*	\$7.21	\$6.75*	\$7.16	\$8.05
51-3011	Bakers	\$7.93	\$11.65	\$8.75	\$11.50	\$14.52
39-5011	Barbers	\$6.75*	\$9.72	\$6.75*	\$8.68	\$13.02
35-3011	Bartenders	\$6.75*	\$7.32	\$6.75*	\$7.08	\$8.18
43-3011	Bill and Account Collectors	\$9.82	\$13.24	\$10.58	\$12.79	\$15.37
43-3021	Billing and Posting Clerks and Machine Operators	\$10.04	\$13.21	\$10.92	\$12.89	\$15.35
51-5011	Bindery Workers	\$7.10	\$9.32	\$7.24	\$8.29	\$10.74
25-1042	Biological Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-4021	Biological Technicians	\$12.19	\$17.60	\$13.04	\$15.78	\$20.16
17-2031	Biomedical Engineers	\$20.61	\$30.64	\$21.77	\$26.98	\$36.75
43-3031	Bookkeeping, Accounting, and Auditing Clerks	\$10.24	\$15.13	\$11.43	\$14.46	\$17.79
47-2021	Brickmasons and Blockmasons	\$13.15	\$18.92	\$14.92	\$19.05	\$22.38
27-4012	Broadcast Technicians	\$7.60	\$11.23	\$8.52	\$10.39	\$12.93
43-4011	Brokerage Clerks	\$11.82	\$16.15	\$12.71	\$14.88	\$17.68
13-2031	Budget Analysts	\$19.20	\$24.27	\$20.24	\$23.54	\$27.45
37-0000	Building and Grounds Cleaning and Maintenance Occupations	\$6.85	\$10.04	\$7.25	\$8.56	\$12.11
49-3031	Bus and Truck Mechanics and Diesel Engine Specialists	\$12.07	\$17.31	\$13.60	\$17.31	\$20.67
53-3022	Bus Drivers, School	\$9.84	\$13.12	\$10.92	\$13.25	\$15.61

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
53-3021	Bus Drivers, Transit and Intercity	\$9.64	\$12.88	\$10.62	\$13.06	\$15.46
13-0000	Business and Financial Operations Occupations	\$14.21	\$23.98	\$16.97	\$22.62	\$29.23
13-1199	Business Operations Specialists, All Other	\$15.62	\$25.26	\$18.81	\$24.91	\$31.78
25-1011	Business Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
51-3021	Butchers and Meat Cutters	\$7.44	\$13.93	\$8.15	\$14.70	\$18.78
51-7011	Cabinetmakers and Bench Carpenters	\$8.35	\$13.36	\$9.09	\$11.67	\$18.01
27-4031	Camera Operators, Television, Video, and Motion Picture	\$13.26	\$17.81	\$15.30	\$17.09	\$19.53
29-2031	Cardiovascular Technologists and Technicians	\$12.13	\$16.61	\$12.38	\$13.86	\$20.32
43-5011	Cargo and Freight Agents	\$10.97	\$15.41	\$11.89	\$14.94	\$19.17
47-2031	Carpenters	\$10.76	\$18.17	\$12.60	\$18.96	\$22.33
47-2041	Carpet Installers	\$12.12	\$18.56	\$13.24	\$17.21	\$23.98
41-2011	Cashiers	\$6.75*	\$9.68	\$7.13	\$8.20	\$10.53
47-2051	Cement Masons and Concrete Finishers	\$12.58	\$19.27	\$14.31	\$18.95	\$22.90
51-9191	Cementing and Gluing Machine Operators and Tenders	\$8.58	\$10.12	\$9.09	\$10.09	\$11.13
35-1011	Chefs and Head Cooks	\$9.51	\$16.03	\$12.65	\$16.19	\$19.17
17-2041	Chemical Engineers	\$22.39	\$34.90	\$26.25	\$35.38	\$42.65
51-8091	Chemical Plant and System Operators	\$16.58	\$20.20	\$18.75	\$20.64	\$22.60
19-4031	Chemical Technicians	\$10.05	\$15.42	\$11.17	\$13.65	\$19.52
25-1052	Chemistry Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
19-2031	Chemists	\$12.23	\$20.81	\$13.39	\$17.02	\$25.51

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
11-1011	Chief Executives	\$29.65	(3)	\$36.38	\$56.34	>\$70.00
39-9011	Child Care Workers	\$6.84	\$9.01	\$7.24	\$8.47	\$10.38
21-1021	Child, Family, and School Social Workers	\$8.27	\$17.00	\$8.92	\$13.69	\$25.54
27-2032	Choreographers	\$6.84	\$14.41	\$7.21	\$8.20	\$19.05
17-3022	Civil Engineering Technicians	\$14.38	\$21.89	\$17.92	\$22.28	\$27.01
17-2051	Civil Engineers	\$23.79	\$31.80	\$26.18	\$30.99	\$36.43
13-1031	Claims Adjusters, Examiners, and Investigators	\$19.43	\$24.61	\$22.49	\$24.89	\$27.28
53-7061	Cleaners of Vehicles and Equipment	\$6.75*	\$8.09	\$6.75*	\$7.46	\$8.96
51-9192	Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	\$7.59	\$11.00	\$8.27	\$10.05	\$14.70
21-2011	Clergy	\$11.44	\$20.55	\$13.06	\$22.30	\$26.54
19-3031	Clinical, Counseling, and School Psychologists	\$21.16	\$30.51	\$24.27	\$31.05	\$35.71
27-2022	Coaches and Scouts	(2)	(2)	(2)	(2)	(2)
51-9121	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	\$7.40	\$10.73	\$7.96	\$9.76	\$12.97
51-2021	Coil Winders, Tapers, and Finishers	\$8.00	\$10.91	\$8.59	\$10.27	\$12.79
49-9091	Coin, Vending, and Amusement Machine Servicers and Repairers	\$10.08	\$15.49	\$11.27	\$16.00	\$19.45
35-3021	Combined Food Preparation and Serving Workers, Including Fast Food	\$6.75*	\$7.52	\$6.75*	\$7.26	\$8.14
27-1021	Commercial and Industrial Designers	\$14.31	\$24.72	\$16.03	\$22.10	\$31.26
53-2012	Commercial Pilots	(2)	(2)	(2)	(2)	(2)
43-2099	Communications Equipment Operators, All Other	\$13.69	\$17.69	\$15.64	\$18.69	\$20.44

SOC Code	Occupational Title	Entry-	Mean	25th	50th	75th
		Level Hourly Wage (1)	Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage	Percentile Hourly Wage
21-0000	Community and Social Services Occupations	\$10.31	\$19.90	\$12.00	\$19.30	\$26.45
13-1072	Compensation, Benefits, and Job Analysis Specialists	\$17.16	\$23.28	\$18.94	\$22.16	\$26.32
13-1041	Compliance Officers, Except Agriculture, Construction, Health and Safety, and Transportation	\$15.00	\$21.74	\$16.20	\$20.15	\$26.41
15-1011	Computer and Information Scientists, Research	\$27.58	\$33.26	\$28.87	\$32.26	\$36.90
11-3021	Computer and Information Systems Managers	\$21.68	\$32.70	\$24.33	\$31.68	\$40.02
15-0000	Computer and Mathematical Occupations	\$16.73	\$27.50	\$19.46	\$26.08	\$34.36
17-2061	Computer Hardware Engineers	\$22.38	\$35.25	\$24.14	\$33.07	\$44.11
43-9011	Computer Operators	\$10.38	\$15.36	\$11.36	\$14.09	\$19.10
15-1021	Computer Programmers	\$18.99	\$31.88	\$22.52	\$30.60	\$40.61
25-1021	Computer Science Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
15-1031	Computer Software Engineers, Applications	\$24.87	\$35.37	\$28.09	\$35.21	\$42.44
15-1032	Computer Software Engineers, Systems Software	\$20.51	\$29.71	\$22.93	\$27.47	\$37.88
15-1099	Computer Specialists, All Other	\$14.89	\$23.15	\$17.24	\$24.92	\$28.14
15-1041	Computer Support Specialists	\$13.57	\$20.52	\$15.59	\$19.29	\$24.23
15-1051	Computer Systems Analysts	\$20.32	\$27.34	\$22.45	\$26.81	\$32.30
49-2011	Computer, Automated Teller, and Office Machine Repairers	\$9.65	\$12.46	\$10.00	\$11.64	\$14.63
51-4011	Computer-Controlled Machine Tool Operators, Metal and Plastic	\$9.07	\$16.52	\$10.41	\$14.47	\$20.21
39-6012	Concierges	\$8.44	\$10.13	\$8.83	\$9.85	\$11.04
19-1031	Conservation Scientists	\$21.22	\$26.90	\$22.42	\$28.41	\$31.63
47-4011	Construction and Building Inspectors	\$20.08	\$23.87	\$20.62	\$23.30	\$27.12

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th	50th Percentile (Median)	75th
				Percentile Hourly Wage	Percentile Hourly Wage	Percentile Hourly Wage
47-0000	Construction and Extraction Occupations	\$10.53	\$18.60	\$12.24	\$18.14	\$23.29
47-2061	Construction Laborers	\$9.13	\$14.85	\$10.26	\$13.13	\$18.32
11-9021	Construction Managers	\$24.27	\$38.10	\$27.75	\$37.71	\$45.76
49-9012	Control and Valve Installers and Repairers, Except Mechanical Door	\$21.80	\$25.25	\$22.85	\$25.14	\$27.54
53-7011	Conveyor Operators and Tenders	\$9.18	\$13.23	\$10.40	\$12.50	\$15.02
35-2011	Cooks, Fast Food	\$6.97	\$7.62	\$7.11	\$7.67	\$8.27
35-2012	Cooks, Institution and Cafeteria	\$8.20	\$10.97	\$8.90	\$10.76	\$12.92
35-2014	Cooks, Restaurant	\$6.99	\$9.08	\$7.55	\$9.12	\$10.52
35-2015	Cooks, Short Order	\$6.92	\$9.41	\$7.44	\$9.43	\$10.75
33-3012	Correctional Officers and Jailers	\$19.57	\$23.52	\$22.40	\$24.51	\$26.58
43-4021	Correspondence Clerks	\$11.01	\$14.05	\$12.10	\$13.88	\$16.23
13-1051	Cost Estimators	\$16.63	\$26.07	\$18.86	\$22.76	\$30.54
41-2021	Counter and Rental Clerks	\$7.36	\$10.22	\$7.88	\$9.54	\$11.23
35-3022	Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	\$6.75*	\$9.23	\$6.87	\$8.48	\$11.75
43-5021	Couriers and Messengers	\$6.75*	\$8.78	\$6.75*	\$8.13	\$10.08
53-7021	Crane and Tower Operators	\$15.75	\$21.97	\$17.45	\$21.69	\$26.25
13-2041	Credit Analysts	\$13.77	\$26.41	\$16.59	\$22.95	\$34.36
43-4041	Credit Authorizers, Checkers, and Clerks	\$10.62	\$15.39	\$11.80	\$13.87	\$16.74
25-1111	Criminal Justice and Law Enforcement Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
33-9091	Crossing Guards	\$7.38	\$9.36	\$7.58	\$8.69	\$10.10

SOC Code	Occupational Title	Entry-	Mean	25th	50th	75th
		Level Hourly Wage (1)	Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage	Percentile Hourly Wage
51-9021	Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	\$7.36	\$12.22	\$7.96	\$10.62	\$15.75
43-4051	Customer Service Representatives	\$9.24	\$13.95	\$10.11	\$12.54	\$16.69
51-9031	Cutters and Trimmers, Hand	\$7.19	\$10.07	\$8.09	\$9.91	\$11.15
51-9032	Cutting and Slicing Machine Setters, Operators, and Tenders	\$7.87	\$11.89	\$8.72	\$11.07	\$14.28
51-4031	Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.39	\$10.76	\$8.05	\$10.11	\$12.53
43-9021	Data Entry Keyers	\$9.20	\$11.45	\$9.72	\$11.10	\$13.02
15-1061	Database Administrators	\$14.48	\$23.91	\$16.68	\$21.41	\$30.06
41-9011	Demonstrators and Product Promoters	\$7.29	\$9.78	\$7.60	\$8.56	\$10.46
31-9091	Dental Assistants	\$11.94	\$13.13	\$11.80	\$12.72	\$13.64
29-2021	Dental Hygienists	\$24.51	\$29.03	\$24.29	\$26.40	\$31.67
51-9081	Dental Laboratory Technicians	\$9.12	\$13.28	\$9.79	\$11.15	\$16.04
29-1020	Dentists	\$41.52	(3)	\$48.34	\$57.53	>\$70.00
43-9031	Desktop Publishers	\$10.70	\$14.31	\$11.98	\$13.73	\$16.64
33-3021	Detectives and Criminal Investigators	\$25.01	\$30.13	\$26.13	\$29.34	\$34.49
29-2032	Diagnostic Medical Sonographers	\$22.20	\$25.60	\$23.27	\$25.70	\$28.26
29-2051	Dietetic Technicians	\$8.31	\$11.02	\$8.75	\$10.18	\$13.00
29-1031	Dietitians and Nutritionists	\$19.81	\$25.03	\$21.24	\$24.55	\$29.27
35-9011	Dining Room and Cafeteria Attendants and Bartender Helpers	\$6.75*	\$7.05	\$6.75*	\$7.04	\$7.83
21-2021	Directors, Religious Activities and Education	\$9.06	\$14.47	\$10.43	\$13.39	\$18.39

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile			
			Mean Hourly Wage	25th Percentile Hourly Wage	(Median) Hourly Wage	75th Percentile Hourly Wage
35-9021	Dishwashers	\$6.75*	\$6.99	\$6.75*	\$6.98	\$7.79
43-5032	Dispatchers, Except Police, Fire, and Ambulance	\$9.45	\$15.56	\$10.95	\$14.93	\$19.93
41-9091	Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	\$6.75*	\$12.03	\$6.86	\$8.89	\$13.67
51-4032	Drilling and Boring Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.26	\$13.70	\$10.15	\$12.62	\$16.54
53-3031	Driver/Sales Workers	\$6.79	\$8.98	\$7.11	\$7.83	\$8.55
47-2081	Drywall and Ceiling Tile Installers	\$12.95	\$19.49	\$15.17	\$19.56	\$23.91
47-5021	Earth Drillers, Except Oil and Gas	\$8.94	\$14.58	\$11.12	\$15.33	\$18.84
27-3041	Editors	\$13.81	\$21.51	\$15.79	\$20.43	\$26.35
11-9032	Education Administrators, Elementary and Secondary School	(2)	(2)	(2)	(2)	(2)
11-9033	Education Administrators, Postsecondary	\$22.06	\$38.17	\$26.36	\$39.01	\$48.68
11-9031	Education Administrators, Preschool and Child Care Center/Program	\$10.98	\$18.17	\$11.97	\$16.54	\$23.13
25-1081	Education Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
25-0000	Education, Training, and Library Occupations	\$11.53	\$21.16	\$13.97	\$20.54	\$28.02
25-9199	Education, Training, and Library Workers, All Other	\$9.41	\$13.44	\$10.11	\$11.86	\$13.99
21-1012	Educational, Vocational, and School Counselors	\$14.36	\$24.93	\$18.71	\$25.26	\$32.93
49-2092	Electric Motor, Power Tool, and Related Repairers	\$13.85	\$16.39	\$14.80	\$16.32	\$18.51
17-3023	Electrical and Electronic Engineering Technicians	\$13.86	\$21.64	\$16.33	\$21.69	\$26.93
51-2022	Electrical and Electronic Equipment Assemblers	\$7.61	\$9.94	\$8.18	\$9.80	\$11.25
17-3012	Electrical and Electronics Drafters	\$12.13	\$18.64	\$13.06	\$16.70	\$21.88

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
49-2093	Electrical and Electronics Installers and Repairers, Transportation Equipment	\$14.33	\$20.89	\$15.95	\$20.83	\$25.79
49-2094	Electrical and Electronics Repairers, Commercial and Industrial Equipment	\$17.59	\$21.29	\$19.30	\$21.77	\$24.00
17-2071	Electrical Engineers	\$22.54	\$31.58	\$25.21	\$30.33	\$35.65
49-9051	Electrical Power-Line Installers and Repairers	\$12.04	\$22.59	\$14.12	\$24.44	\$30.15
47-2111	Electricians	\$15.13	\$22.01	\$17.67	\$21.11	\$26.27
51-2023	Electromechanical Equipment Assemblers	\$8.69	\$11.08	\$9.30	\$10.98	\$12.78
17-3024	Electro-Mechanical Technicians	\$15.60	\$19.52	\$17.71	\$20.00	\$22.17
49-2096	Electronic Equipment Installers and Repairers, Motor Vehicles	\$9.97	\$13.09	\$10.61	\$12.34	\$14.68
49-2097	Electronic Home Entertainment Equipment Installers and Repairers	\$11.15	\$16.87	\$12.61	\$17.17	\$20.85
17-2072	Electronics Engineers, Except Computer	\$26.16	\$33.37	\$28.57	\$33.76	\$39.58
25-2021	Elementary School Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
13-1061	Emergency Management Specialists	\$19.04	\$31.38	\$21.30	\$28.12	\$38.41
29-2041	Emergency Medical Technicians and Paramedics	\$8.68	\$13.85	\$9.44	\$12.07	\$17.00
13-1071	Employment, Recruitment, and Placement Specialists	\$13.43	\$18.52	\$14.70	\$17.34	\$21.52
11-9041	Engineering Managers	\$30.76	\$42.02	\$34.67	\$41.46	\$49.05
17-2199	Engineers, All Other	\$23.74	\$31.68	\$26.26	\$31.59	\$37.18
27-2099	Entertainers and Performers, Sports and Related Workers, All Other	(2)	(2)	(2)	(2)	(2)
17-3025	Environmental Engineering Technicians	\$14.47	\$21.12	\$15.26	\$18.10	\$27.27
17-2081	Environmental Engineers	\$21.54	\$29.18	\$24.01	\$29.58	\$34.10

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-4091	Environmental Science and Protection Technicians, Including Health	\$11.65	\$17.34	\$13.34	\$17.43	\$20.84
19-2041	Environmental Scientists and Specialists, Including Health	\$20.16	\$26.28	\$21.52	\$25.66	\$30.31
51-9194	Etchers and Engravers	\$10.96	\$12.46	\$11.39	\$12.36	\$13.33
53-7032	Excavating and Loading Machine and Dragline Operators	\$18.00	\$23.48	\$19.06	\$21.80	\$28.72
43-6011	Executive Secretaries and Administrative Assistants	\$11.84	\$16.11	\$13.13	\$15.70	\$18.44
47-5099	Extraction Workers, All Other	\$14.13	\$16.19	\$14.47	\$15.75	\$17.00
51-4021	Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.80	\$12.38	\$9.61	\$11.93	\$14.85
51-6091	Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass Fibers	\$7.60	\$9.71	\$7.78	\$8.93	\$10.97
51-9041	Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	\$7.82	\$10.58	\$8.23	\$9.74	\$12.60
51-6092	Fabric and Apparel Patternmakers	\$12.08	\$18.27	\$17.27	\$20.29	\$21.98
29-1062	Family and General Practitioners	\$34.88	\$54.41	\$48.76	\$58.47	\$68.56
49-3041	Farm Equipment Mechanics	\$11.09	\$14.17	\$11.64	\$13.03	\$15.98
11-9011	Farm, Ranch, and Other Agricultural Managers	\$19.68	\$30.42	\$20.92	\$25.32	\$40.73
45-0000	Farming, Fishing, and Forestry Occupations	\$6.75*	\$8.33	\$6.75*	\$7.13	\$8.55
45-9099	Farming, Fishing, and Forestry Workers, All Other	\$8.31	\$10.95	\$9.02	\$10.26	\$11.57
45-2092	Farmworkers and Laborers, Crop, Nursery, and Greenhouse	\$6.75*	\$7.22	\$6.75*	\$6.95	\$7.66
45-2093	Farmworkers, Farm and Ranch Animals	\$6.75*	\$8.07	\$6.92	\$7.66	\$8.71
27-1022	Fashion Designers	\$14.72	\$24.07	\$15.55	\$18.70	\$30.95
47-4031	Fence Erectors	\$8.65	\$17.53	\$9.78	\$14.33	\$21.93

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile (Median) Hourly Wage			75th Percentile Hourly Wage
			Mean Hourly Wage	25th Percentile Hourly Wage		
51-2091	Fiberglass Laminators and Fabricators	\$7.28	\$12.14	\$7.65	\$9.73	\$12.06
43-4071	File Clerks	\$7.51	\$10.80	\$8.21	\$10.46	\$13.03
13-2051	Financial Analysts	\$15.21	\$24.60	\$15.95	\$20.73	\$28.75
11-3031	Financial Managers	\$20.49	\$35.50	\$24.27	\$33.86	\$45.28
13-2099	Financial Specialists, All Other	\$10.30	\$18.61	\$11.82	\$16.50	\$23.38
27-1013	Fine Artists, Including Painters, Sculptors, and Illustrators	\$11.41	\$23.19	\$12.94	\$19.27	\$23.31
33-2011	Fire Fighters	\$10.80	\$18.84	\$13.19	\$17.16	\$23.78
33-2021	Fire Inspectors and Investigators	\$23.84	\$30.46	\$25.36	\$30.25	\$35.83
47-1011	First-Line Supervisors/Managers of Construction Trades and Extraction Workers	\$19.57	\$27.59	\$22.14	\$27.83	\$32.88
33-1011	First-Line Supervisors/Managers of Correctional Officers	\$24.73	\$29.78	\$28.27	\$30.95	\$33.64
45-1011	First-Line Supervisors/Managers of Farming, Fishing, and Forestry Workers	\$9.70	\$17.56	\$11.08	\$16.09	\$22.94
33-1021	First-Line Supervisors/Managers of Fire Fighting and Prevention Workers	\$24.59	\$30.69	\$25.48	\$30.25	\$35.31
35-1012	First-Line Supervisors/Managers of Food Preparation and Serving Workers	\$8.68	\$12.55	\$9.43	\$12.17	\$14.88
53-1021	First-Line Supervisors/Managers of Helpers, Laborers, and Material Movers, Hand	\$14.12	\$20.77	\$16.64	\$20.62	\$24.94
37-1011	First-Line Supervisors/Managers of Housekeeping and Janitorial Workers	\$10.06	\$15.11	\$11.42	\$14.31	\$17.35
37-1012	First-Line Supervisors/Managers of Landscaping, Lawn Service, and Groundskeeping Workers	\$10.73	\$16.00	\$12.32	\$15.36	\$17.77
49-1011	First-Line Supervisors/Managers of Mechanics, Installers, and Repairers	\$15.64	\$23.31	\$16.71	\$21.56	\$28.36
41-1012	First-Line Supervisors/Managers of Non-Retail Sales Workers	\$15.58	\$25.71	\$17.38	\$21.11	\$31.18

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	25th	50th	75th
			Mean Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage
43-1011	First-Line Supervisors/Managers of Office and Administrative Support Workers	\$13.01	\$19.98	\$14.74	\$18.99
39-1021	First-Line Supervisors/Managers of Personal Service Workers	\$8.62	\$15.83	\$9.52	\$15.13
33-1012	First-Line Supervisors/Managers of Police and Detectives	\$30.44	\$37.23	\$32.24	\$36.77
51-1011	First-Line Supervisors/Managers of Production and Operating Workers	\$13.54	\$21.32	\$15.33	\$19.98
41-1011	First-Line Supervisors/Managers of Retail Sales Workers	\$10.93	\$18.56	\$12.38	\$16.25
53-1031	First-Line Supervisors/Managers of Transportation and Material-Moving Machine and Vehicle	\$16.67	\$24.29	\$19.07	\$23.68
33-1099	First-Line Supervisors/Managers, Protective Service Workers, All Other	\$11.10	\$18.85	\$12.13	\$16.51
33-3031	Fish and Game Wardens	\$19.48	\$22.43	\$19.67	\$21.97
39-9031	Fitness Trainers and Aerobics Instructors	\$8.55	\$20.88	\$9.68	\$23.35
27-1023	Floral Designers	\$6.75*	\$9.19	\$6.75*	\$9.08
51-3091	Food and Tobacco Roasting, Baking, and Drying Machine Operators and Tenders	\$8.67	\$15.75	\$9.13	\$18.37
51-3092	Food Batchmakers	\$7.32	\$11.36	\$7.92	\$9.62
51-3093	Food Cooking Machine Operators and Tenders	\$7.79	\$9.98	\$7.76	\$8.58
35-9099	Food Preparation and Serving Related Workers, All Other	\$6.75*	\$8.50	\$6.94	\$7.74
35-0000	Food Preparation and Serving-Related Occupations	\$6.75*	\$8.30	\$6.75*	\$7.55
35-2021	Food Preparation Workers	\$6.96	\$9.25	\$7.32	\$8.77
35-3041	Food Servers, Nonrestaurant	\$6.75*	\$8.51	\$6.88	\$7.86
11-9051	Food Service Managers	\$13.84	\$17.80	\$14.60	\$16.38
19-4092	Forensic Science Technicians	\$11.33	\$19.56	\$14.41	\$19.62
					\$24.71

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
19-4093	Forest and Conservation Technicians	\$13.51	\$16.92	\$14.29	\$16.34	\$19.57
45-4011	Forest and Conservation Workers	\$6.75*	\$8.48	\$6.75*	\$8.89	\$10.13
19-1032	Foresters	\$24.04	\$29.89	\$25.38	\$29.73	\$34.39
51-4022	Forging Machine Setters, Operators, and Tenders, Metal and Plastic	\$8.35	\$11.67	\$9.10	\$11.10	\$13.70
51-4071	Foundry Mold and Coremakers	\$7.40	\$10.35	\$7.99	\$9.38	\$11.01
39-4021	Funeral Attendants	\$8.81	\$10.07	\$9.07	\$10.04	\$11.01
11-9061	Funeral Directors	\$16.03	\$22.56	\$17.18	\$19.43	\$21.57
51-9051	Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	\$7.26	\$13.62	\$8.09	\$12.89	\$19.40
51-7021	Furniture Finishers	\$6.75*	\$9.00	\$7.02	\$8.40	\$10.23
53-7071	Gas Compressor and Gas Pumping Station Operators	\$18.57	\$23.09	\$20.32	\$23.33	\$26.41
51-8092	Gas Plant Operators	\$23.08	\$28.18	\$24.98	\$28.37	\$32.61
11-1021	General and Operations Managers	\$21.55	\$39.91	\$25.41	\$35.78	\$54.48
19-4041	Geological and Petroleum Technicians	\$10.10	\$15.31	\$11.90	\$14.28	\$18.19
19-2042	Geoscientists, Except Hydrologists and Geographers	\$24.92	\$30.33	\$27.42	\$30.64	\$33.87
47-2121	Glaziers	\$10.38	\$18.42	\$11.95	\$16.66	\$25.21
45-2041	Graders and Sorters, Agricultural Products	\$6.75*	\$6.96	\$6.75*	\$6.89	\$7.31
25-1191	Graduate Teaching Assistants	(2)	(2)	(2)	(2)	(2)
27-1024	Graphic Designers	\$12.69	\$19.13	\$14.52	\$17.62	\$21.63
51-9022	Grinding and Polishing Workers, Hand	\$7.39	\$10.19	\$7.82	\$9.56	\$11.18
51-4033	Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$7.72	\$10.62	\$8.18	\$9.54	\$11.39

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	25th	50th	75th
			Mean Hourly Wage	Percentile (Median) Hourly Wage	Percentile Hourly Wage
39-5012	Hairdressers, Hairstylists, and Cosmetologists	\$7.12	\$9.71	\$7.54	\$9.21
47-4041	Hazardous Materials Removal Workers	\$11.14	\$17.40	\$12.37	\$16.97
17-2111	Health and Safety Engineers, Except Mining Safety Engineers and Inspectors	\$21.21	\$30.35	\$24.75	\$30.82
21-1091	Health Educators	\$14.73	\$21.14	\$15.03	\$17.11
25-1071	Health Specialties Teachers, Postsecondary	(2)	(2)	(2)	(2)
29-0000	Healthcare Practitioners and Technical Occupations	\$14.33	\$26.61	\$16.79	\$23.91
31-0000	Healthcare Support Occupations	\$7.78	\$11.30	\$8.40	\$10.80
31-9099	Healthcare Support Workers, All Other	\$9.91	\$13.20	\$10.86	\$12.96
51-4191	Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	\$8.42	\$11.42	\$9.02	\$10.77
49-9021	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	\$12.30	\$18.05	\$13.87	\$17.34
47-3019	Helpers, Construction Trades, All Other	\$7.66	\$9.11	\$7.66	\$8.35
47-3011	Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	\$9.14	\$13.57	\$9.69	\$11.37
47-3012	Helpers--Carpenters	\$8.21	\$11.24	\$8.73	\$11.39
47-3013	Helpers--Electricians	\$9.24	\$12.32	\$9.94	\$11.71
47-5081	Helpers--Extraction Workers	\$9.61	\$12.54	\$10.20	\$12.06
49-9098	Helpers--Installation, Maintenance, and Repair Workers	\$7.55	\$10.31	\$7.90	\$9.52
47-3014	Helpers--Painters, Paperhanglers, Plasterers, and Stucco Masons	\$7.43	\$11.15	\$8.03	\$9.65
47-3015	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters	\$8.86	\$12.77	\$10.08	\$12.56
51-9198	Helpers--Production Workers	\$6.87	\$9.66	\$7.29	\$8.53
					\$10.60

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th			
			Mean Hourly Wage	25th Percentile Hourly Wage	Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
47-3016	Helpers--Roofers	\$8.19	\$10.94	\$8.67	\$10.23	\$12.77
47-4051	Highway Maintenance Workers	\$15.78	\$21.69	\$17.36	\$23.50	\$26.21
25-1125	History Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
49-9031	Home Appliance Repairers	\$12.30	\$19.20	\$14.12	\$18.62	\$22.96
31-1011	Home Health Aides	\$6.92	\$8.53	\$7.20	\$8.11	\$9.58
35-9031	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop	\$6.75*	\$7.11	\$6.75*	\$7.04	\$7.86
43-4081	Hotel, Motel, and Resort Desk Clerks	\$7.30	\$9.33	\$7.66	\$8.86	\$10.56
43-4161	Human Resources Assistants, Except Payroll and Timekeeping	\$11.02	\$15.52	\$12.42	\$15.44	\$18.17
11-3040	Human Resources Managers	\$17.56	\$29.97	\$19.80	\$27.13	\$38.63
19-2043	Hydrologists	\$20.01	\$26.77	\$20.82	\$24.33	\$28.69
17-3026	Industrial Engineering Technicians	\$13.71	\$21.74	\$15.46	\$22.34	\$27.21
17-2112	Industrial Engineers	\$22.02	\$30.24	\$24.77	\$29.17	\$35.74
49-9041	Industrial Machinery Mechanics	\$15.11	\$22.16	\$17.18	\$23.11	\$26.93
11-3051	Industrial Production Managers	\$20.81	\$32.76	\$23.87	\$29.75	\$40.01
53-7051	Industrial Truck and Tractor Operators	\$9.32	\$13.43	\$10.11	\$12.64	\$16.21
51-9061	Inspectors, Testers, Sorters, Samplers, and Weighers	\$8.29	\$13.23	\$8.95	\$11.82	\$16.19
49-0000	Installation, Maintenance, and Repair Occupations	\$9.92	\$17.07	\$11.20	\$16.24	\$21.70
49-9099	Installation, Maintenance, and Repair Workers, All Other	\$13.80	\$18.40	\$14.97	\$17.51	\$21.28
25-9031	Instructional Coordinators	\$22.80	\$31.45	\$30.22	\$33.32	\$36.36
47-2130	Insulation Workers	\$9.01	\$13.45	\$9.68	\$12.81	\$16.83

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
13-1032	Insurance Appraisers, Auto Damage	\$21.08	\$25.65	\$21.46	\$24.38	\$29.46
43-9041	Insurance Claims and Policy Processing Clerks	\$12.33	\$18.56	\$13.54	\$16.16	\$21.13
41-3021	Insurance Sales Agents	\$12.55	\$26.80	\$14.93	\$19.81	\$34.35
13-2053	Insurance Underwriters	\$7.82	\$13.22	\$7.73	\$8.47	\$17.12
27-1025	Interior Designers	\$14.58	\$21.88	\$16.75	\$21.80	\$26.22
27-3091	Interpreters and Translators	\$11.51	\$16.42	\$13.09	\$17.39	\$19.83
43-4111	Interviewers, Except Eligibility and Loan	\$9.39	\$14.91	\$10.31	\$12.91	\$19.93
37-2011	Janitors and Cleaners, Except Maids and Housekeeping Cleaners	\$6.75*	\$10.01	\$7.07	\$8.64	\$12.87
51-9071	Jewelers and Precious Stone and Metal Workers	\$12.21	\$18.25	\$18.81	\$20.46	\$22.09
51-5021	Job Printers	\$12.51	\$16.72	\$14.24	\$16.22	\$19.06
25-2012	Kindergarten Teachers, Except Special Education	(2)	(2)	(2)	(2)	(2)
53-7062	Laborers and Freight, Stock, and Material Movers, Hand	\$6.89	\$10.01	\$7.34	\$8.82	\$11.93
17-1012	Landscape Architects	\$20.36	\$28.08	\$24.00	\$29.75	\$33.50
37-3011	Landscaping and Groundskeeping Workers	\$7.20	\$10.06	\$7.48	\$8.79	\$11.17
51-4034	Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$8.97	\$13.52	\$9.93	\$12.91	\$16.38
51-6011	Laundry and Dry-Cleaning Workers	\$7.46	\$10.57	\$7.60	\$8.49	\$12.10
23-2092	Law Clerks	\$7.95	\$14.14	\$8.43	\$14.11	\$18.99
23-1011	Lawyers	\$33.91	\$47.26	\$38.54	\$45.55	\$57.66
51-4192	Lay-Out Workers, Metal and Plastic	\$8.83	\$15.89	\$9.35	\$15.10	\$21.23
23-0000	Legal Occupations	\$17.83	\$34.92	\$21.08	\$31.06	\$46.99

SOC Code	Occupational Title	Entry-	25th	50th	75th
		Level Hourly Wage (1)	Mean Hourly Wage	Percentile Hourly Wage	Percentile Hourly Wage
43-6012	Legal Secretaries	\$13.61	\$17.76	\$15.11	\$18.43
11-1031	Legislators	\$17.77	\$21.65	\$19.01	\$21.41
25-4021	Librarians	\$16.94	\$25.08	\$19.38	\$24.20
43-4121	Library Assistants, Clerical	\$7.95	\$11.63	\$8.96	\$12.04
25-4031	Library Technicians	\$11.04	\$13.82	\$12.02	\$13.63
29-2061	Licensed Practical and Licensed Vocational Nurses	\$12.66	\$15.85	\$13.85	\$15.61
19-0000	Life, Physical, and Social Science Occupations	\$11.90	\$23.57	\$15.32	\$22.54
13-2071	Loan Counselors	\$13.72	\$17.66	\$14.64	\$16.48
43-4131	Loan Interviewers and Clerks	\$10.13	\$13.07	\$11.32	\$12.94
13-2072	Loan Officers	\$14.57	\$23.60	\$16.33	\$20.46
49-9094	Locksmiths and Safe Repairers	\$10.68	\$15.63	\$11.56	\$14.82
11-9081	Lodging Managers	\$15.67	\$22.01	\$17.58	\$20.13
53-7063	Machine Feeders and Offbearers	\$7.46	\$10.55	\$7.84	\$9.91
51-4041	Machinists	\$9.31	\$14.40	\$10.55	\$13.34
37-2012	Maids and Housekeeping Cleaners	\$6.75*	\$7.71	\$6.84	\$7.52
43-9051	Mail Clerks and Mail Machine Operators, Except Postal Service	\$8.49	\$10.72	\$9.01	\$10.24
49-9042	Maintenance and Repair Workers, General	\$8.77	\$14.70	\$10.08	\$13.78
49-9043	Maintenance Workers, Machinery	\$10.64	\$15.35	\$12.09	\$14.91
13-1111	Management Analysts	\$19.04	\$26.29	\$20.51	\$25.33
11-0000	Management Occupations	\$19.12	\$35.72	\$22.89	\$33.08
					\$45.89

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile (Median) Hourly Wage				75th Percentile Hourly Wage
			Mean Hourly Wage	25th Percentile Hourly Wage	(Median) Hourly Wage		
11-9199	Managers, All Other	\$20.53	\$33.56	\$23.92	\$32.92		\$42.86
39-5092	Manicurists and Pedicurists	\$8.78	\$9.51	\$9.08	\$9.75		\$10.40
49-9095	Manufactured Building and Mobile Home Installers	\$10.46	\$12.64	\$11.53	\$12.56		\$13.59
19-3021	Market Research Analysts	\$17.32	\$31.04	\$20.96	\$28.68		\$39.89
11-2021	Marketing Managers	\$19.99	\$35.22	\$23.90	\$34.13		\$44.08
21-1013	Marriage and Family Therapists	\$14.68	\$21.24	\$14.94	\$16.66		\$25.98
31-9011	Massage Therapists	\$8.07	\$13.87	\$9.31	\$12.13		\$15.67
53-7199	Material Moving Workers, All Other	\$8.45	\$12.98	\$9.31	\$11.72		\$15.87
17-2131	Materials Engineers	\$21.23	\$33.95	\$23.54	\$30.06		\$41.33
19-2032	Materials Scientists	\$17.61	\$27.60	\$19.22	\$28.68		\$35.12
25-1022	Mathematical Science Teachers, Postsecondary	(2)	(2)	(2)	(2)		(2)
51-3022	Meat, Poultry, and Fish Cutters and Trimmers	\$7.00	\$10.13	\$7.80	\$10.17		\$12.38
17-3013	Mechanical Drafters	\$13.21	\$18.40	\$14.33	\$18.14		\$21.57
17-3027	Mechanical Engineering Technicians	\$13.21	\$19.02	\$14.56	\$18.30		\$22.81
17-2141	Mechanical Engineers	\$21.99	\$30.94	\$25.17	\$30.64		\$35.92
27-4099	Media and Communication Equipment Workers, All Other	\$8.83	\$16.14	\$9.21	\$15.72		\$21.09
27-3099	Media and Communication Workers, All Other	\$9.87	\$18.77	\$10.82	\$17.68		\$26.04
29-2012	Medical and Clinical Laboratory Technicians	\$11.49	\$18.46	\$12.91	\$17.44		\$24.45
29-2011	Medical and Clinical Laboratory Technologists	\$21.15	\$27.10	\$23.26	\$27.37		\$32.06
11-9111	Medical and Health Services Managers	\$24.78	\$34.09	\$28.13	\$33.25		\$39.94

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	25th	50th	75th
			Mean Hourly Wage	Percentile Hourly Wage	Percentile Hourly Wage
21-1022	Medical and Public Health Social Workers	\$19.53	\$24.66	\$21.03	\$24.09
51-9082	Medical Appliance Technicians	\$13.20	\$22.72	\$15.57	\$19.99
31-9092	Medical Assistants	\$8.17	\$12.40	\$8.59	\$11.83
31-9093	Medical Equipment Preparers	\$8.38	\$12.45	\$8.94	\$11.87
29-2071	Medical Records and Health Information Technicians	\$8.50	\$12.96	\$9.45	\$12.37
19-1042	Medical Scientists, Except Epidemiologists	\$19.35	\$24.50	\$21.63	\$24.44
43-6013	Medical Secretaries	\$10.77	\$13.27	\$11.56	\$13.41
31-9094	Medical Transcriptionists	\$11.82	\$15.05	\$13.33	\$15.55
13-1121	Meeting and Convention Planners	\$13.68	\$19.40	\$15.21	\$17.84
21-1023	Mental Health and Substance Abuse Social Workers	\$10.91	\$21.34	\$11.99	\$18.41
21-1014	Mental Health Counselors	\$7.72	\$10.61	\$8.26	\$9.99
27-1026	Merchandise Displayers and Window Trimmers	\$7.49	\$10.21	\$8.05	\$9.24
51-4199	Metal Workers and Plastic Workers, All Other	\$6.75*	\$8.64	\$6.98	\$8.07
51-4051	Metal-Refining Furnace Operators and Tenders	\$8.26	\$12.70	\$8.76	\$11.32
43-5041	Meter Readers, Utilities	\$14.90	\$19.10	\$16.16	\$18.69
19-1022	Microbiologists	\$14.27	\$26.31	\$16.18	\$26.72
25-2022	Middle School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)
51-4035	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.65	\$15.10	\$11.16	\$15.17
49-9044	Millwrights	\$13.79	\$24.19	\$16.76	\$25.78
17-2151	Mining and Geological Engineers, Including Mining Safety Engineers	\$20.35	\$31.39	\$22.05	\$33.98
					\$38.84

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-9023	Mixing and Blending Machine Setters, Operators, and Tenders	\$8.46	\$12.13	\$9.35	\$12.05	\$13.95
49-3042	Mobile Heavy Equipment Mechanics, Except Engines	\$13.92	\$20.52	\$15.49	\$19.88	\$23.72
51-4061	Model Makers, Metal and Plastic	\$12.68	\$20.77	\$14.39	\$20.61	\$25.28
51-7031	Model Makers, Wood	\$7.84	\$12.35	\$8.08	\$9.66	\$15.60
51-4072	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic	\$7.22	\$10.20	\$7.55	\$8.67	\$11.08
39-3021	Motion Picture Projectionists	\$6.75*	\$8.67	\$6.82	\$7.64	\$8.86
53-3099	Motor Vehicle Operators, All Other	\$6.75*	\$10.09	\$6.81	\$8.04	\$12.62
49-3051	Motorboat Mechanics	\$9.78	\$13.64	\$9.95	\$11.12	\$16.66
49-3052	Motorcycle Mechanics	\$10.29	\$15.75	\$11.61	\$14.11	\$17.80
27-1014	Multi-Media Artists and Animators	\$14.68	\$25.71	\$16.89	\$24.69	\$32.84
51-4081	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic	\$9.06	\$16.24	\$10.37	\$14.32	\$21.16
27-2041	Music Directors and Composers	(2)	(2)	(2)	(2)	(2)
27-2042	Musicians and Singers	(2)	(2)	(2)	(2)	(2)
11-9121	Natural Sciences Managers	\$19.45	\$30.75	\$21.06	\$26.23	\$39.20
15-1071	Network and Computer Systems Administrators	\$17.69	\$25.55	\$19.63	\$24.82	\$31.00
15-1081	Network Systems and Data Communications Analysts	\$21.01	\$28.83	\$23.59	\$28.32	\$33.63
43-4141	New Accounts Clerks	\$9.73	\$13.15	\$10.50	\$12.71	\$15.70
27-3020	News Analysts, Reporters and Correspondents	\$10.02	\$16.15	\$11.42	\$14.88	\$18.81
39-2021	Nonfarm Animal Caretakers	\$7.53	\$9.89	\$7.73	\$8.81	\$11.78

SOC Code	Occupational Title	Entry-	Mean	25th	Percentile (Median)	50th	75th
		Level Hourly Wage (1)	Hourly Wage	Hourly Wage	Hourly Wage	Hourly Wage	Hourly Wage
29-2033	Nuclear Medicine Technologists	\$20.95	\$25.78	\$23.56	\$26.24	\$29.30	
51-4012	Numerical Tool and Process Control Programmers	\$13.23	\$17.46	\$15.07	\$17.50	\$20.54	
31-1012	Nursing Aides, Orderlies, and Attendants	\$7.76	\$9.70	\$8.05	\$9.31	\$10.98	
25-1072	Nursing Instructors and Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)	
29-9010	Occupational Health and Safety Specialists and Technicians	\$14.34	\$24.13	\$18.63	\$23.90	\$31.05	
31-2012	Occupational Therapist Aides	\$9.03	\$14.74	\$10.11	\$13.16	\$19.64	
31-2011	Occupational Therapist Assistants	\$17.84	\$20.81	\$18.44	\$20.56	\$23.41	
29-1122	Occupational Therapists	\$24.11	\$30.64	\$25.80	\$30.23	\$35.13	
43-0000	Office and Administrative Support Occupations	\$8.74	\$13.58	\$9.80	\$12.72	\$16.59	
43-9061	Office Clerks, General	\$8.10	\$11.62	\$8.95	\$11.14	\$13.91	
43-9071	Office Machine Operators, Except Computer	\$8.53	\$11.00	\$9.14	\$10.44	\$12.52	
47-2073	Operating Engineers and Other Construction Equipment Operators	\$16.27	\$25.41	\$18.71	\$25.11	\$32.14	
51-9083	Ophthalmic Laboratory Technicians	\$8.08	\$10.04	\$8.04	\$8.89	\$11.29	
29-2081	Opticians, Dispensing	\$8.31	\$12.57	\$8.69	\$12.64	\$14.80	
29-1041	Optometrists	\$40.06	(3)	\$41.57	\$47.07	>\$70.00	
43-4151	Order Clerks	\$8.88	\$12.52	\$9.55	\$11.20	\$14.79	
29-2091	Orthotists and Prosthetists	\$17.78	\$31.77	\$22.03	\$24.90	\$44.38	
49-3053	Outdoor Power Equipment and Other Small Engine Mechanics	\$7.83	\$13.31	\$8.34	\$13.26	\$17.06	
51-9111	Packaging and Filling Machine Operators and Tenders	\$6.75*	\$9.36	\$7.03	\$8.20	\$10.48	
53-7064	Packers and Packagers, Hand	\$6.75*	\$8.25	\$6.86	\$7.67	\$8.87	

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile (Median) Hourly Wage			75th Percentile Hourly Wage
			Mean Hourly Wage	25th Percentile Hourly Wage		
47-2141	Painters, Construction and Maintenance	\$9.67	\$14.13	\$10.71	\$13.23	\$16.94
51-9122	Painters, Transportation Equipment	\$9.22	\$14.20	\$10.54	\$13.49	\$16.68
51-9123	Painting, Coating, and Decorating Workers	\$7.28	\$10.40	\$7.53	\$8.96	\$13.66
51-9196	Paper Goods Machine Setters, Operators, and Tenders	\$9.15	\$12.49	\$10.22	\$12.06	\$14.24
47-2142	Paperhangers	\$22.35	\$24.05	\$23.01	\$24.73	\$26.43
23-2011	Paralegals and Legal Assistants	\$16.48	\$22.60	\$19.23	\$22.90	\$26.43
33-3041	Parking Enforcement Workers	\$13.79	\$16.78	\$14.75	\$16.55	\$18.29
41-2022	Parts Salespersons	\$8.59	\$14.72	\$9.47	\$13.17	\$18.83
51-4062	Patternmakers, Metal and Plastic	\$10.75	\$16.27	\$11.37	\$15.67	\$19.97
51-7032	Patternmakers, Wood	\$7.72	\$9.82	\$7.83	\$9.11	\$11.67
47-2071	Paving, Surfacing, and Tamping Equipment Operators	\$11.34	\$18.74	\$12.08	\$16.77	\$25.15
43-3051	Payroll and Timekeeping Clerks	\$9.76	\$14.39	\$11.11	\$14.16	\$17.39
29-1065	Pediatricians, General	\$56.02	(3)	\$58.46	\$64.41	>\$70.00
39-9021	Personal and Home Care Aides	\$6.75*	\$7.85	\$6.94	\$7.65	\$8.44
39-0000	Personal Care and Service Occupations	\$6.75*	\$9.99	\$7.17	\$8.35	\$10.74
39-9099	Personal Care and Service Workers, All Other	\$7.78	\$10.56	\$8.02	\$9.59	\$12.60
13-2052	Personal Financial Advisors	\$22.02	\$37.14	\$24.56	\$33.49	\$45.37
37-2021	Pest Control Workers	\$8.24	\$11.33	\$9.33	\$11.91	\$13.33
37-3012	Pesticide Handlers, Sprayers, and Applicators, Vegetation	\$9.15	\$12.06	\$9.68	\$10.94	\$13.78
51-8093	Petroleum Pump System Operators, Refinery Operators, and Gaugers	\$14.83	\$21.17	\$16.25	\$20.17	\$25.64

SOC Code	Occupational Title	Entry-	25th	50th	75th
		Level Hourly Wage (1)	Mean Hourly Wage	Percentile (Median) Hourly Wage	Percentile Hourly Wage
29-1051	Pharmacists	\$35.41	\$40.80	\$38.57	\$41.81 . \$45.08
31-9095	Pharmacy Aides	\$8.55	\$11.82	\$9.42	\$12.31 \$13.88
29-2052	Pharmacy Technicians	\$11.78	\$14.88	\$12.51	\$14.32 \$16.39
25-1126	Philosophy and Religion Teachers, Postsecondary	(2)	(2)	(2)	(2) (2)
27-4021	Photographers	\$8.19	\$11.50	\$8.68	\$10.37 \$13.40
51-9131	Photographic Process Workers	\$7.51	\$10.38	\$7.85	\$9.19 \$12.06
19-2099	Physical Scientists, All Other	\$16.06	\$22.04	\$17.41	\$21.08 \$26.07
31-2022	Physical Therapist Aides	\$9.04	\$11.64	\$9.63	\$11.40 \$13.12
31-2021	Physical Therapist Assistants	\$15.65	\$20.42	\$17.34	\$20.18 \$23.07
29-1123	Physical Therapists	\$15.52	\$27.13	\$19.53	\$28.21 \$34.13
29-1071	Physician Assistants	\$24.69	\$34.12	\$30.42	\$34.98 \$41.67
47-2151	Pipeliners	\$14.98	\$20.94	\$16.22	\$19.77 \$24.30
51-8099	Plant and System Operators, All Other	\$16.11	\$21.20	\$18.77	\$21.00 \$24.15
47-2161	Plasterers and Stucco Masons	\$11.19	\$17.77	\$12.63	\$17.45 \$21.63
51-4193	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.49	\$17.31	\$9.81	\$10.94 \$17.66
47-2152	Plumbers, Pipefitters, and Steamfitters	\$9.24	\$15.84	\$10.15	\$14.99 \$20.73
29-1081	Podiatrists	\$26.60	\$45.31	\$41.86	\$50.73 \$56.50
33-3051	Police and Sheriff's Patrol Officers	\$21.02	\$26.49	\$23.47	\$26.81 \$29.87
43-5031	Police, Fire, and Ambulance Dispatchers	\$14.75	\$17.01	\$15.29	\$16.74 \$18.37
43-5051	Postal Service Clerks	\$17.09	\$18.71	\$17.83	\$19.23 \$20.63

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile (Median) Hourly Wage			75th Percentile Hourly Wage
			Mean Hourly Wage	25th Percentile Hourly Wage		
43-5052	Postal Service Mail Carriers	\$17.33	\$19.01	\$17.87	\$19.34	\$20.80
43-5053	Postal Service Mail Sorters, Processors, and Processing Machine Operators	\$9.73	\$14.74	\$10.34	\$14.47	\$19.28
51-4052	Pourers and Casters, Metal	\$9.06	\$12.20	\$9.51	\$10.55	\$13.37
51-8012	Power Distributors and Dispatchers	\$23.66	\$27.34	\$24.54	\$27.51	\$30.03
51-8013	Power Plant Operators	\$18.12	\$23.83	\$20.06	\$24.13	\$27.73
49-9069	Precision Instrument and Equipment Repairers, All Other	\$13.40	\$20.53	\$16.79	\$22.40	\$25.43
51-5022	Prepress Technicians and Workers	\$9.76	\$15.25	\$11.03	\$14.05	\$17.94
25-2011	Preschool Teachers, Except Special Education	\$7.60	\$10.47	\$7.99	\$9.45	\$12.50
51-6021	Pressers, Textile, Garment, and Related Materials	\$6.75*	\$7.04	\$6.75*	\$6.82	\$7.87
51-5023	Printing Machine Operators	\$9.57	\$15.13	\$10.65	\$14.50	\$18.42
43-3061	Procurement Clerks	\$10.48	\$15.23	\$12.27	\$15.10	\$17.35
27-2012	Producers and Directors	(2)	(2)	(2)	(2)	(2)
51-0000	Production Occupations	\$7.45	\$12.24	\$8.13	\$10.51	\$14.67
51-9199	Production Workers, All Other	\$6.75*	\$10.08	\$7.04	\$8.48	\$11.07
43-5061	Production, Planning, and Expediting Clerks	\$10.55	\$16.64	\$11.96	\$15.45	\$20.13
43-9081	Proofreaders and Copy Markers	\$7.93	\$10.06	\$8.81	\$9.79	\$10.78
11-9141	Property, Real Estate, and Community Association Managers	\$6.90	\$15.84	\$7.79	\$12.72	\$19.80
33-0000	Protective Service Occupations	\$7.84	\$18.40	\$8.77	\$17.01	\$26.44
31-1013	Psychiatric Aides	\$8.92	\$11.12	\$9.57	\$10.87	\$12.84
29-2053	Psychiatric Technicians	\$15.95	\$18.63	\$16.62	\$18.61	\$20.82

SOC Code	Occupational Title	50th Percentile				
		Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1066	Psychiatrists	\$50.84	\$59.95	\$56.47	\$59.35	\$60.94
25-1066	Psychology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
11-2031	Public Relations Managers	\$17.99	\$27.86	\$20.45	\$26.21	\$35.97
27-3031	Public Relations Specialists	\$11.01	\$20.12	\$13.38	\$20.74	\$26.27
13-1021	Purchasing Agents and Buyers, Farm Products	\$11.81	\$22.89	\$12.96	\$18.26	\$29.15
13-1023	Purchasing Agents, Except Wholesale, Retail, and Farm Products	\$13.62	\$20.07	\$15.29	\$19.14	\$23.79
11-3061	Purchasing Managers	\$17.79	\$30.30	\$20.26	\$27.62	\$37.06
29-1124	Radiation Therapists	\$23.08	\$30.83	\$25.09	\$30.80	\$37.87
27-4013	Radio Operators	\$10.24	\$13.50	\$10.79	\$12.42	\$13.64
29-2034	Radiologic Technologists and Technicians	\$16.53	\$20.76	\$18.21	\$20.70	\$23.80
53-4013	Rail Yard Engineers, Dinkey Operators, and Hostlers	\$14.83	\$16.86	\$15.13	\$16.56	\$18.30
41-9021	Real Estate Brokers	\$17.31	\$37.84	\$20.70	\$36.38	\$51.34
41-9022	Real Estate Sales Agents	\$9.75	\$18.59	\$10.34	\$12.78	\$24.46
43-4171	Receptionists and Information Clerks	\$7.19	\$9.89	\$7.76	\$9.56	\$11.43
39-9032	Recreation Workers	\$7.11	\$9.10	\$7.29	\$8.31	\$10.20
29-1125	Recreational Therapists	\$10.80	\$16.86	\$12.94	\$16.43	\$20.69
49-3092	Recreational Vehicle Service Technicians	\$9.68	\$14.73	\$10.70	\$13.08	\$17.47
53-7081	Refuse and Recyclable Material Collectors	\$10.89	\$15.68	\$11.97	\$14.85	\$17.70
29-1111	Registered Nurses	\$22.45	\$27.83	\$23.65	\$26.86	\$31.44
21-1015	Rehabilitation Counselors	\$9.34	\$15.81	\$10.23	\$16.08	\$20.63

SOC Code	Occupational Title	Entry-	Mean	25th	50th	75th
		Level Hourly Wage (1)	Hourly Wage	Percentile Hourly Wage	Percentile (Median) Hourly Wage	Percentile Hourly Wage
47-2171	Reinforcing Iron and Rebar Workers	\$14.34	\$23.87	\$16.71	\$24.74	\$31.59
43-4181	Reservation and Transportation Ticket Agents and Travel Clerks	\$8.44	\$12.39	\$8.94	\$10.81	\$14.51
39-9041	Residential Advisors	\$7.34	\$10.58	\$8.00	\$10.05	\$12.45
29-1126	Respiratory Therapists	\$17.97	\$21.30	\$18.57	\$20.72	\$23.68
29-2054	Respiratory Therapy Technicians	\$16.68	\$20.10	\$18.01	\$20.23	\$22.50
41-2031	Retail Salespersons	\$6.81	\$10.58	\$7.20	\$8.56	\$11.33
49-9096	Riggers	\$17.59	\$20.17	\$19.58	\$21.03	\$22.48
51-4023	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic	\$9.40	\$15.63	\$10.66	\$15.10	\$20.45
47-2181	Roofers	\$11.34	\$15.22	\$12.22	\$14.26	\$17.73
41-0000	Sales and Related Occupations	\$7.19	\$13.77	\$7.72	\$10.17	\$16.85
41-9031	Sales Engineers	\$21.44	\$33.09	\$24.00	\$30.65	\$38.81
11-2022	Sales Managers	\$22.59	\$38.99	\$26.17	\$35.13	\$50.26
41-3099	Sales Representatives, Services, All Other	\$10.50	\$21.26	\$12.56	\$18.71	\$26.96
41-4012	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific Product	\$11.91	\$22.80	\$13.62	\$20.01	\$28.50
41-4011	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products	\$17.24	\$29.14	\$19.76	\$25.45	\$38.02
51-7041	Sawing Machine Setters, Operators, and Tenders, Wood	\$7.31	\$10.33	\$7.71	\$9.74	\$12.35
25-2031	Secondary School Teachers, Except Special and Vocational Education	(2)	(2)	(2)	(2)	(2)
43-6014	Secretaries, Except Legal, Medical, and Executive	\$9.71	\$13.59	\$10.79	\$13.30	\$16.38
41-3031	Securities, Commodities, and Financial Services Sales Agents	\$13.45	\$27.78	\$14.98	\$18.18	\$38.81

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th			
			Mean Hourly Wage	25th Percentile Hourly Wage	Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
33-9032	Security Guards	\$6.75*	\$9.00	\$7.12	\$8.35	\$10.32
25-3021	Self-Enrichment Education Teachers	\$8.44	\$13.22	\$9.05	\$10.50	\$17.62
51-9012	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and	\$10.91	\$15.41	\$12.27	\$15.12	\$17.63
47-4071	Septic Tank Servicers and Sewer Pipe Cleaners	\$12.31	\$18.26	\$13.09	\$15.82	\$20.70
53-6031	Service Station Attendants	\$7.57	\$10.55	\$7.92	\$9.46	\$12.39
27-1027	Set and Exhibit Designers	\$10.46	\$19.12	\$17.58	\$20.73	\$24.11
51-6051	Sewers, Hand	\$6.75*	\$6.78	\$6.75*	\$6.75*	\$7.12
51-6031	Sewing Machine Operators	\$6.75*	\$9.04	\$7.11	\$8.37	\$10.16
47-2211	Sheet Metal Workers	\$10.21	\$20.65	\$11.57	\$17.79	\$30.92
43-5071	Shipping, Receiving, and Traffic Clerks	\$7.05	\$11.02	\$7.70	\$10.13	\$13.75
51-6041	Shoe and Leather Workers and Repairers	\$6.90	\$8.46	\$6.98	\$8.39	\$9.89
39-5094	Skin Care Specialists	\$7.77	\$15.92	\$8.92	\$15.34	\$24.24
11-9151	Social and Community Service Managers	\$15.74	\$24.69	\$18.17	\$22.99	\$30.04
21-1093	Social and Human Service Assistants	\$9.17	\$13.47	\$10.05	\$12.24	\$16.02
25-1067	Sociology Teachers, Postsecondary	(2)	(2)	(2)	(2)	(2)
27-4014	Sound Engineering Technicians	\$9.21	\$13.36	\$9.16	\$10.00	\$10.82
25-2042	Special Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-2041	Special Education Teachers, Preschool, Kindergarten, and Elementary School	(2)	(2)	(2)	(2)	(2)
25-2043	Special Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)

SOC Code	Occupational Title	Entry-Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
29-1127	Speech-Language Pathologists	\$20.97	\$29.01	\$23.58	\$29.05	\$34.47
51-8021	Stationary Engineers and Boiler Operators	\$18.75	\$25.06	\$21.28	\$25.65	\$29.59
43-9111	Statistical Assistants	\$11.82	\$16.57	\$12.72	\$15.49	\$19.79
43-5081	Stock Clerks and Order Fillers	\$7.69	\$11.95	\$8.37	\$10.63	\$14.71
47-2221	Structural Iron and Steel Workers	\$20.23	\$27.50	\$24.42	\$29.54	\$32.84
51-2041	Structural Metal Fabricators and Fitters	\$8.89	\$13.35	\$9.93	\$13.12	\$16.51
21-1011	Substance Abuse and Behavioral Disorder Counselors	\$9.07	\$13.87	\$9.88	\$11.73	\$19.09
29-1067	Surgeons	\$58.05	(3)	\$60.94	>\$70.00	>\$70.00
29-2055	Surgical Technologists	\$12.39	\$15.40	\$13.13	\$15.16	\$17.11
19-3022	Survey Researchers	\$13.02	\$19.39	\$13.59	\$17.31	\$21.92
17-3031	Surveying and Mapping Technicians	\$12.92	\$21.55	\$15.01	\$22.50	\$27.03
17-1022	Surveyors	\$16.41	\$26.60	\$19.87	\$27.80	\$32.98
43-2011	Switchboard Operators, Including Answering Service	\$7.42	\$10.70	\$8.15	\$10.04	\$12.43
51-6052	Tailors, Dressmakers, and Custom Sewers	\$8.57	\$11.36	\$9.22	\$11.16	\$13.24
53-7121	Tank Car, Truck, and Ship Loaders	\$12.00	\$15.78	\$13.28	\$16.07	\$18.66
47-2082	Tapers	\$17.34	\$20.15	\$18.25	\$20.09	\$21.93
13-2081	Tax Examiners, Collectors, and Revenue Agents	\$20.54	\$26.97	\$22.93	\$27.54	\$32.17
53-3041	Taxi Drivers and Chauffeurs	\$7.57	\$10.29	\$7.85	\$9.11	\$11.83
25-9041	Teacher Assistants	(2)	(2)	(2)	(2)	(2)
51-2092	Team Assemblers	\$7.49	\$10.33	\$7.98	\$9.78	\$12.42

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
27-3042	Technical Writers	\$12.34	\$20.93	\$13.15	\$15.38	\$26.68
49-2022	Telecommunications Equipment Installers and Repairers, Except Line Installers	\$12.57	\$20.72	\$15.24	\$22.92	\$26.49
49-9052	Telecommunications Line Installers and Repairers	\$16.22	\$21.94	\$18.30	\$22.59	\$25.97
41-9041	Telemarketers	\$8.27	\$14.69	\$9.42	\$14.56	\$19.61
43-2021	Telephone Operators	\$8.21	\$13.56	\$8.70	\$11.72	\$18.88
43-3071	Tellers	\$8.71	\$10.28	\$9.12	\$10.07	\$11.09
51-6062	Textile Cutting Machine Setters, Operators, and Tenders	\$8.37	\$12.53	\$8.97	\$13.03	\$16.15
51-6063	Textile Knitting and Weaving Machine Setters, Operators, and Tenders	\$6.75*	\$9.26	\$7.04	\$9.59	\$11.05
51-6064	Textile Winding, Twisting, and Drawing Out Machine Setters, Operators, and Tenders	\$6.75*	\$8.30	\$6.75*	\$7.02	\$10.52
51-6099	Textile, Apparel, and Furnishings Workers, All Other	\$7.07	\$8.81	\$7.28	\$8.29	\$9.92
47-2044	Tile and Marble Setters	\$14.05	\$19.91	\$15.76	\$19.57	\$23.70
51-2093	Timing Device Assemblers, Adjusters, and Calibrators	\$8.89	\$13.71	\$9.40	\$11.89	\$14.28
49-3093	Tire Repairers and Changers	\$8.70	\$11.75	\$9.63	\$12.10	\$13.42
23-2093	Title Examiners, Abstractors, and Searchers	\$13.97	\$25.04	\$16.28	\$22.63	\$27.96
51-4111	Tool and Die Makers	\$15.39	\$22.20	\$17.51	\$22.40	\$27.10
51-4194	Tool Grinders, Filers, and Sharpeners	\$8.47	\$12.54	\$9.07	\$11.92	\$14.08
39-6021	Tour Guides and Escorts	\$8.02	\$10.47	\$8.08	\$8.98	\$12.71
53-6041	Traffic Technicians	\$17.36	\$25.14	\$20.53	\$24.59	\$32.15
13-1073	Training and Development Specialists	\$10.92	\$20.33	\$12.56	\$18.44	\$26.24

SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	Mean Hourly Wage	25th	50th	75th Percentile Hourly Wage
				Percentile Hourly Wage	(Median) Hourly Wage	
53-0000	Transportation and Material Moving Occupations	\$7.21	\$12.26	\$7.79	\$10.57	\$15.92
39-6032	Transportation Attendants, Except Flight Attendants and Baggage Porters	\$7.93	\$9.03	\$7.82	\$8.43	\$9.22
53-6051	Transportation Inspectors	\$11.88	\$23.92	\$16.38	\$25.58	\$31.16
53-6099	Transportation Workers, All Other	\$8.12	\$15.96	\$8.88	\$14.37	\$21.03
11-3071	Transportation, Storage, and Distribution Managers	\$20.93	\$31.31	\$23.54	\$29.34	\$37.18
41-3041	Travel Agents	\$8.53	\$12.57	\$9.76	\$12.35	\$15.78
39-6022	Travel Guides	\$8.08	\$12.76	\$9.07	\$10.80	\$12.51
37-3013	Tree Trimmers and Pruners	\$11.22	\$13.09	\$11.89	\$12.91	\$13.93
53-3032	Truck Drivers, Heavy and Tractor-Trailer	\$13.59	\$17.92	\$14.97	\$17.72	\$20.70
53-3033	Truck Drivers, Light or Delivery Services	\$7.57	\$11.96	\$8.19	\$10.58	\$14.88
51-6093	Upholsterers	\$9.05	\$12.04	\$9.49	\$10.75	\$13.93
39-3031	Ushers, Lobby Attendants, and Ticket Takers	\$6.75*	\$8.08	\$6.75*	\$7.29	\$8.32
29-1131	Veterinarians	\$22.78	\$37.54	\$28.11	\$37.56	\$43.74
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	\$7.07	\$7.92	\$7.07	\$7.56	\$8.31
29-2056	Veterinary Technologists and Technicians	\$9.43	\$11.87	\$9.69	\$10.90	\$13.34
25-2023	Vocational Education Teachers, Middle School	(2)	(2)	(2)	(2)	(2)
25-1194	Vocational Education Teachers, Postsecondary	\$12.71	\$20.30	\$15.52	\$19.30	\$23.52
25-2032	Vocational Education Teachers, Secondary School	(2)	(2)	(2)	(2)	(2)
35-3031	Waiters and Waitresses	\$6.75*	\$7.12	\$6.75*	\$6.83	\$7.74
49-9064	Watch Repairers	\$7.60	\$9.28	\$8.43	\$9.59	\$10.50

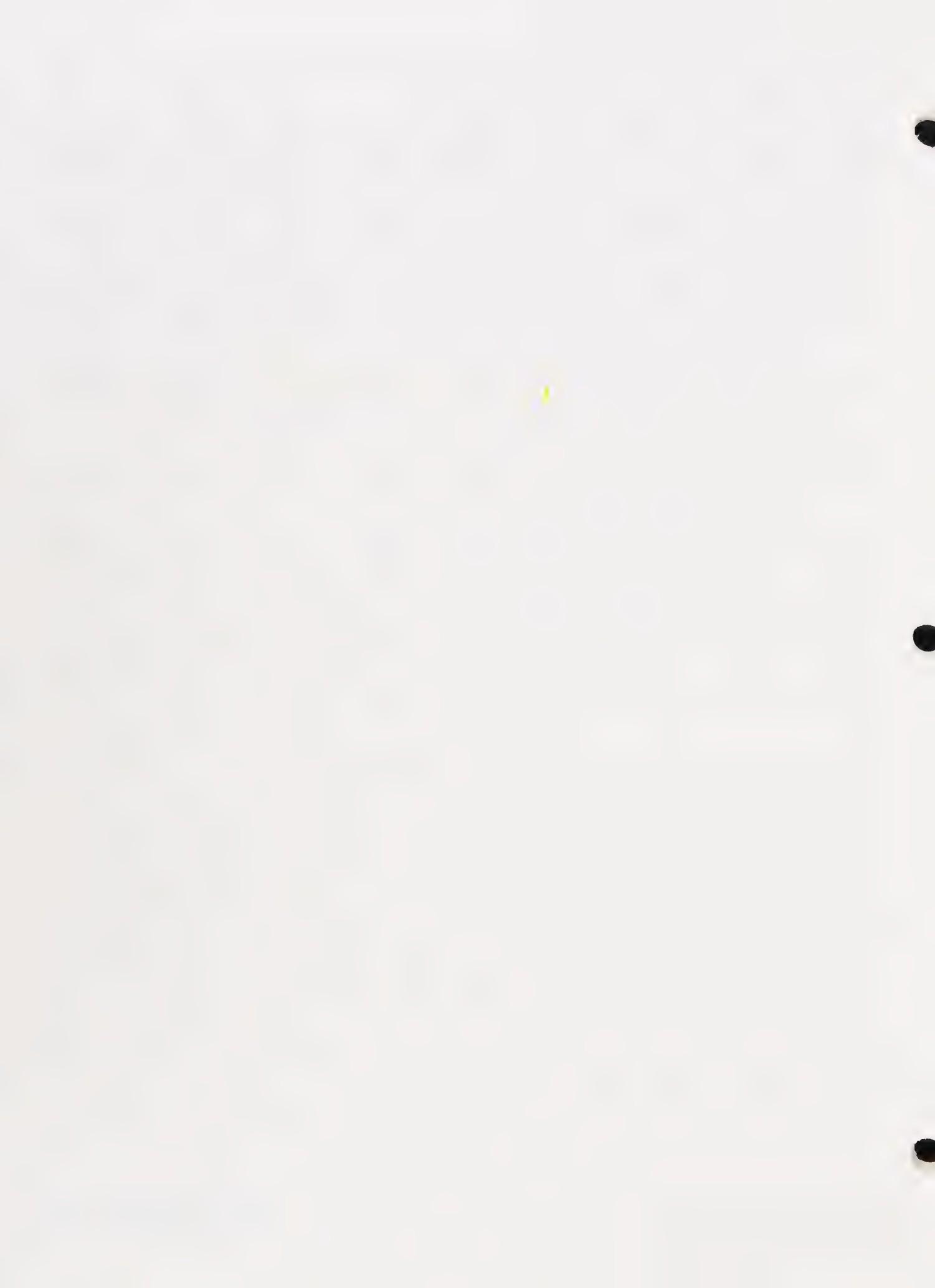
SOC Code	Occupational Title	Entry- Level Hourly Wage (1)	50th Percentile (Median)			
			Mean Hourly Wage	25th Percentile Hourly Wage	50th Percentile (Median) Hourly Wage	75th Percentile Hourly Wage
51-8031	Water and Liquid Waste Treatment Plant and System Operators	\$17.48	\$23.82	\$19.17	\$23.74	\$29.01
43-5111	Weighers, Measurers, Checkers, and Samplers, Recordkeeping	\$8.00	\$14.70	\$8.69	\$13.82	\$20.10
51-4121	Welders, Cutters, Solderers, and Brazers	\$9.22	\$13.23	\$10.06	\$12.16	\$15.68
51-4122	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders	\$9.95	\$14.66	\$10.99	\$13.41	\$16.82
13-1022	Wholesale and Retail Buyers, Except Farm Products	\$12.48	\$22.78	\$14.40	\$20.20	\$31.08
51-7099	Woodworkers, All Other	\$6.75*	\$9.33	\$7.16	\$8.62	\$10.83
51-7042	Woodworking Machine Setters, Operators, and Tenders, Except Sawing	\$7.31	\$9.13	\$7.42	\$8.37	\$10.35
43-9022	Word Processors and Typists	\$11.74	\$14.43	\$12.61	\$14.35	\$16.61
27-3043	Writers and Authors	\$10.77	\$21.09	\$11.69	\$14.90	\$23.08
19-1023	Zoologists and Wildlife Biologists	\$18.56	\$25.66	\$20.42	\$25.67	\$30.82

## Data

- (1) The mean of the first third of the wage distribution is provided as a proxy for entry-level wage.
- (2) For some occupations, workers may not work full-time all year-round. For these occupations it is not feasible to calculate an hourly wage.
- (3) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey), the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.
- (4) An estimate of employment could not be provided.
- (5) The "Mean Relative Standard Error" is a measure of the relative precision of the wage estimate. A low number denotes relatively high validity.

\* The survey reference date was in the fourth quarter of 2001, when the California minimum wage was \$6.25 per hour. Since these wages were updated to 2002, and the minimum wage changed to \$6.75 per hour on January 1, 2002, wages below \$6.75 were set to \$6.75 per hour.

**Source:** Employment Development Department  
Labor Market Information Division  
(916) 262-2162



*Projections  
& Planning  
Information*

## **Module F:** **Social &** **Economic Data**



# Introduction To Social And Economic Data Tables

The data for the Social and Economic Data Tables were developed from a variety of sources to aid local organizations in identifying target group needs and in making appropriate resource allocations for employment and training activities.

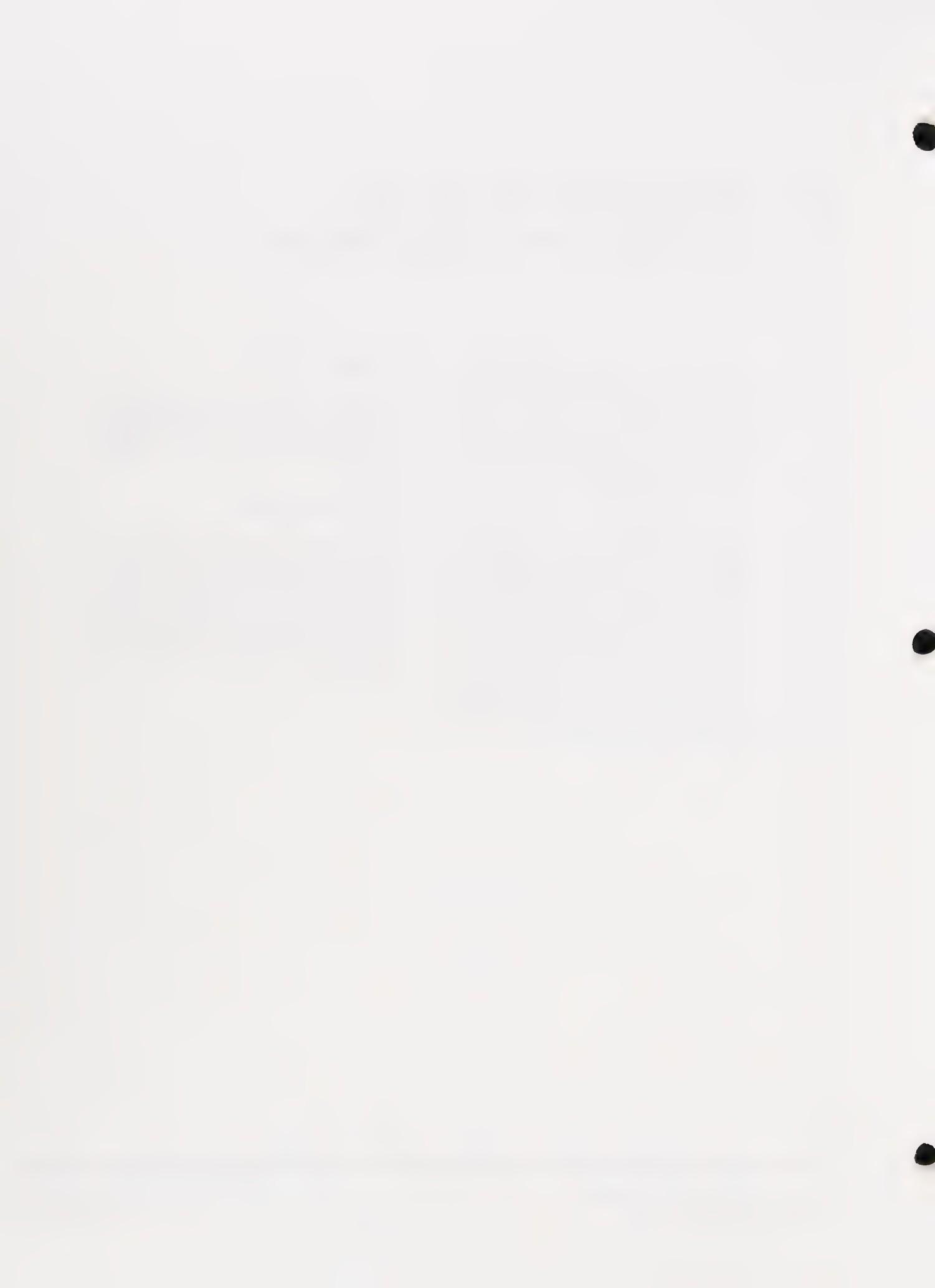
Terms expressed in these tables are those commonly used by the U.S. Department of Commerce, the Bureau of the Census and the various state agencies which supplied the data. (The specified source of the data is noted at the bottom of each table.) To aid users of this publication, these terms are defined in the *Explanation of Terms and Concepts* section at the back of this packet.

## Automated Access

Electronic access to current data is available through the Employment Development Department's Internet address at:

**[www.calmis.ca.gov](http://www.calmis.ca.gov)**

For technical assistance or additional information about the Employment Development Department's Labor Market Information Division Internet website, please call (916) 262-2162 or FAX (916) 262-2443 to order other publications.



**TABLE 1**  
**PUBLIC ASSISTANCE RECIPIENTS BY PROGRAM**  
**2000 - 2002**  
**SAN BERNARDINO COUNTY**

Recipients by Program	July			CALIFORNIA July 2002
	2000	2001	2002	
California Work Opportunity and Responsibility To Kids (CalWORKs) (a).....	109,052	103,497	94,066	1,331,704
Adults .....	25,632	24,598	21,283	297,063
Children .....	83,420	78,899	72,783	1,034,641
Food Stamps (b) .....	122,886	116,494	114,214	1,529,445
General Relief (c).....	373	394	409	95,718
Refugee Cash Assistance (d) .....	20	17	13	1,362
Welfare to Work (e) .....	25,475	24,701	24,592	266,670

Source: California Department of Social Services

To access detailed reports for county comparisons, visit the California Department of Social Services Internet address at: <http://www.dss.cahwnet.gov/research>

CalWORKs: see report CA 237; Food Stamps: see report DFA 256;

General Relief: see report GR 237; Welfare to Work: see reports WTW 25 and WTW 25A.

(a) Data include foster care children.

(b) Includes those persons receiving public assistance payments and those not receiving public assistance payments.

(c) General Relief data for July 2001 were not available. Data provided are for March 2001.

(d) Refugee Cash Assistance data are for the third quarter and exclude CalWORKs recipients.

(e) With the passage of the Federal Personal Responsibility and Work Opportunity Act of 1996 and California's subsequent implementation of the California Work Opportunity and Responsibility to Kids Act (CalWORKs), the requirement for recipients of aid to participate in work related activities increased significantly. This number represents the number of CalWORKs recipients who have been enrolled or have been sent a notice to participate in Welfare to Work activities. These individuals may be required to participate or be willing to participate in these activities.

**TABLE 2**  
**PUBLIC ASSISTANCE RECIPIENTS (CalWORKs)**  
**CHARACTERISTICS OF RECIPIENTS 16 YEARS AND OLDER**  
**2000 - 2002**  
**SAN BERNARDINO COUNTY**

Characteristics	July			CALIFORNIA July 2002
	2000	2001	2002	
Total Recipients 16+ (a) (b) .....	37,770	35,840	32,580	461,210
Male .....	7,230	6,860	6,240	88,310
Female .....	30,550	28,990	26,350	373,040
16-20 .....	7,970	7,560	6,870	97,300
21-44 .....	26,920	25,540	23,220	328,710
45-54 .....	2,310	2,190	1,990	28,150
55+ .....	590	560	510	7,200
White (Not Hispanic) .....	12,440	11,490	9,880	113,140
Black (Not Hispanic) .....	8,650	8,560	7,870	101,960
Hispanic .....	15,190	14,490	13,740	206,470
Asian & Pacific Islander .....	1,110	960	770	33,350
American Indian .....	310	280	230	3,290
Filipino .....	70	70	90	3,000

(CalWORKs) California Work Opportunity And Responsibility To Kids

Source: California Department of Social Services; U.S. Department of Commerce,  
Bureau of the Census; Detailed data by sex, age, and race/ethnicity are  
extrapolations based on aggregate figures provided by the Department of  
Social Services.

To access the detailed report for county comparisons, visit the California Department of Social Services  
Internet address at: <http://www.dss.cahwnet.gov/research>  
See report ABCD 350.

(a) Includes children in Two Parent, Zero Parent, All Others and Foster Care cases.

(b) Detail may not add to total due to independent rounding.

**TABLE 3**  
**Occupations With The Greatest Absolute Job Growth (1)**  
**1999 - 2006**  
**SAN BERNARDINO COUNTY**

CA OES CODE	OCCUPATION	ANNUAL AVERAGES		NUMBER OF NEW JOBS	PERCENT CHANGE	MEAN ANNUAL WAGE	MEDIAN HOURLY WAGE (3)
		1999(2)	2006				
49011	SALESPERSONS, RETAIL	19,430	23,780	4,350	22.4	\$22,010	\$8.56
49023	CASHIERS	13,980	17,400	3,420	24.5	\$20,120	\$8.20
19005	GENERAL MANAGERS, TOP EXECUTIVES	11,660	14,970	3,310	28.4	(4)	(4)
97102	TRUCK DRIVERS, HEAVY	9,430	12,690	3,260	34.6	\$37,275	\$17.72
55347	GENERAL OFFICE CLERKS	13,520	16,750	3,230	23.9	\$24,161	\$11.14
31308	TEACHERS—SECONDARY SCHOOL	9,710	12,930	3,220	33.2	\$53,527	(5)
97105	TRUCK DRIVERS, LIGHT	7,410	9,960	2,550	34.4	\$24,879	\$10.58
93956	ASSEMBLERS, FABRICATORS—EX MACH, ELECT	8,160	10,650	2,490	30.5	\$17,197	\$7.99
31305	TEACHERS—ELEMENTARY SCHOOL	10,030	12,470	2,440	24.3	\$49,839	(5)
31521	TEACHER AIDES, PARAPROFESSIONAL	5,330	7,550	2,220	41.7	(6)	(6)
98902	HAND PACKERS AND PACKAGERS	5,610	7,790	2,180	38.9	\$17,167	\$7.67
41002	FIRST-LINE SUP/MGR—SALES	7,700	9,830	2,130	27.7	(7)	(7)
79041	LABORERS, LANDSCAPING/GROUNDSKEEPERS	5,270	7,090	1,820	34.5	\$20,933	\$8.79
32502	REGISTERED NURSES	8,830	10,640	1,810	20.5	\$57,897	\$26.86
51002	FIRST-LINE SUP/MGR, CLERK, ADM SUP	6,120	7,740	1,620	26.5	\$41,574	\$18.99
65041	COMBINED FOOD PREP AND SERVICE	8,140	9,730	1,590	19.5	\$15,644	\$7.26
87102	CARPENTERS	5,890	7,430	1,540	26.1	\$37,795	\$18.96
67005	JANITORS, CLEANERS—EXCEPT MAIDS	7,140	8,640	1,500	21.0	\$20,827	\$8.64
65008	WAITERS AND WAITRESSES	6,430	7,890	1,460	22.7	\$14,818	\$6.83
63047	GUARDS AND WATCH GUARDS	3,870	5,170	1,300	33.6	\$18,729	\$8.35

Source: Employment Development Department, Labor Market Information Division,

Information Services Group and Occupational Employment Statistics Group

(1) Occupational Projections and OES Wages available online at [www.calmis.ca.gov](http://www.calmis.ca.gov)

(2) March 2001 Benchmark

(3) Median Hourly Wage is for the Riverside-San Bernardino Metropolitan Statistical Area (MSA).

(4) General Managers, Top Executives - Include the following Occupations:

Chief Executives, SOC Code 11-1011, Mean Annual Wage See (4a) - Median Hourly Wage \$56.34;

Farm, Ranch and Other Agricultural Managers, SOC Code 11-9011, Mean Annual Wage \$63,274 - Median Hourly Wage \$25.32;

Sales Managers, SOC Code 11-2022, Mean Annual Wage \$81,095 - Median Hourly Wage \$35.13;

Gaming Managers, SOC Code 11-9071, Mean Annual Wage \$79,733 - Median Hourly Wage \$35.15

(4a) For occupations where a substantial portion of workers earn more than \$70.00 per hour (the top step in the 2001 OES survey),

the mean hourly and annual wages cannot be reliably calculated. This may occasionally apply to the entry-level wage as well.

(5) For some occupations, workers may not work full-time all year-round. For these occupations it is not

feasible to calculate an hourly wage.

(6) Teacher Aides, Paraprofessional - Include the following Occupations:

Teacher Assistants, SOC Code 25-9041, Mean Annual Wage \$23,198 - Median Hourly Wage See (5)

Education, Training, and Library Workers, All Other, SOC Code 25-9199, Mean Annual Wage \$27,943 - Median Hourly Wage \$11.86

(7) First Line Supervisor / Manager Sales - Includes the following Occupations:

First-Line Supervisors / Managers of Retail Sales Workers, SOC 41-1011, Mean Annual Wage \$38,600 - Median Hourly Wage \$16.25;

First-Line Supervisors / Managers of Non-Retail Sales Workers, SOC 41-1012, Mean Annual Wage \$53,495 - Median Hourly Wage \$21.11

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 1 — San Diego Metropolitan Statistical Area**

<b>San Diego</b>							
	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$8,450	\$13,850	\$19,010	\$23,460	\$27,690	\$32,380	\$4,690
6 Months	\$4,225	\$6,925	\$9,505	\$11,730	\$13,845	\$16,190	\$2,345
100%	\$12,070	\$19,780	\$27,150	\$33,510	\$39,550	\$46,250	\$6,700
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 2 — Los Angeles/Riverside/Orange County Metropolitan Statistical Area**

	Los Angeles County							San Bernardino County
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add	SELACO
<b>Anaheim</b>								
<b>Carson/Lomita/Torrance</b>								
<b>Foothill</b>								
<b>Long Beach</b>								
<b>Los Angeles City</b>								
<b>Orange County</b>								
<b>Riverside County</b>								
<b>Santa Ana</b>								
<b>San Bernardino City</b>								
<b>South Bay</b>								
<b>Ventura</b>								
<b>Verdugo</b>								
	Family Size							
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add	
<b>70% LLSIL (a)</b>								
Annual	\$7,900	\$12,940	\$17,770	\$21,930	\$25,880	\$30,270	\$4,390	
6 Months	\$3,950	\$6,470	\$8,885	\$10,965	\$12,940	\$15,135	\$2,195	
100%	\$11,280	\$18,490	\$25,380	\$31,330	\$36,970	\$43,240	\$6,270	
<b>Poverty Guidelines (a)</b>								
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080	
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540	

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 3 — San Francisco/Oakland/San Jose Metropolitan Statistical Area**

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$8,570	\$14,040	\$19,270	\$23,790	\$28,080	\$32,840	\$4,760
6 Months	\$4,285	\$7,020	\$9,635	\$11,895	\$14,040	\$16,420	\$2,380
100%	\$12,240	\$20,060	\$27,540	\$33,990	\$40,110	\$46,910	\$6,800
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**Table 4 — Other Metropolitan Areas**

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,820	\$12,810	\$17,580	\$21,700	\$25,610	\$29,950	\$4,340
6 Months	\$3,910	\$6,405	\$8,790	\$10,850	\$12,805	\$14,975	\$2,170
100%	\$11,160	\$18,290	\$25,110	\$30,990	\$36,570	\$42,770	\$6,200
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

**TABLE 4**  
**LOWER LIVING STANDARD INCOME LEVEL (LLSIL)**  
**AND POVERTY GUIDELINES**  
**2002**

**Table 5 — Nonmetropolitan Areas**

	Family Size						
	One Member	Two Member	Three Member	Four Member	Five Member	Six Member	Each Additional Member Add
<b>70% LLSIL (a)</b>							
Annual	\$7,560	\$12,390	\$17,010	\$20,990	\$24,770	\$28,970	\$4,200
6 Months	\$3,780	\$6,195	\$8,505	\$10,495	\$12,385	\$14,485	\$2,100
100%	\$10,800	\$17,690	\$24,290	\$29,980	\$35,380	\$41,380	\$6,000
<b>Poverty Guidelines (a)</b>							
Annual	\$8,860	\$11,940	\$15,020	\$18,100	\$21,180	\$24,260	\$3,080
6 Months	\$4,430	\$5,970	\$7,510	\$9,050	\$10,590	\$12,130	\$1,540

Source: State of California, Workforce Investment Division, Workforce Investment Act Directive,

Number: WIAD01-18, Dated June 11, 2002.

(a) Tables 1 through 5 show the 70 percent LLSIL and the poverty guidelines for western metropolitan and nonmetropolitan areas, and for three specific Metropolitan Statistical Areas in California. In addition, each LLSIL table includes the 100 percent LLSIL that establishes the Department of Labor's minimum self-sufficiency levels. Each table specifies which areas encompass which Local Workforce Investment Area (LWIA). For a family of one, in all tables, the poverty guidelines exceed the 70 percent LLSIL and, therefore, should be used to establish the low-income status. For all other family sizes, the LLSILs exceed the poverty guidelines. The last column in each table shows the amount to be added to the figure for a family of six for each additional family member.

**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

LWIA NAME: SAN BERNARDINO COUNTY  
JURISDICTIONS INCLUDED: SAN BERNARDINO COUNTY (LESS: SAN BERNARDINO CITY)

JANUARY 10, 2003

**CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS**

**LABOR FORCE STATUS (1)**

EMPLOYED	700,900
UNEMPLOYED	38,687
UNEMPLOYMENT RATE	5.2
NOT IN LABOR FORCE (2)	382,818

**2002 VETERAN INFORMATION**

TOTAL VETERANS (3)	115,532
MALE	108,423
FEMALE	7,109
VIETNAM ERA VETERANS - CENSUS 2000 (4)	43,962

DISABLED VETERANS (5) 12,060

OFFENDERS (6) 19,733

% OF PEOPLE IN POVERTY: SAN BERNARDINO COUNTY, 1998 (7) 17.0

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**1990 CENSUS (8)**

FAMILIES IN POVERTY AS A % OF ALL FAMILIES 9.1

**CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)**

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVAN	6,409	100.0	21,030	100.0	67,856	100.0	12,491	100.0	101,377	100.0
BY RACE:										
WHITE NOT HISPANIC	2,304	35.9	8,337	39.6	31,973	47.1	8,730	69.9	49,040	48.4
BLACK NOT HISPANIC	994	15.5	1,679	8.0	5,810	8.6	616	4.9	8,105	8.0
AMERICAN INDIAN NOT HISP	30	0.5	147	0.7	936	1.4	352	2.8	1,435	1.4
ASIAN NOT HISPANIC	490	7.6	1,172	5.6	3,227	4.8	400	3.2	4,799	4.7
PACIFIC ISLAND NOT HISP	0	0	0	0	173	0.3	0	0	173	0.2
HISPANIC	2,591	40.4	9,695	46.1	25,738	37.9	2,393	19.2	37,826	37.3
BY SEX:										
MALE	3,318	51.8	10,006	47.6	28,177	41.5	5,163	41.3	43,346	42.8
FEMALE	3,091	48.2	11,024	52.4	39,679	58.5	7,328	58.7	58,031	57.2
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	371	5.8	8,264	39.3	30,167	44.5	6,874	55.0	45,305	44.7
GRADUATES	0	0	1,003	4.8	15,392	22.7	2,546	20.4	18,941	18.7
STUDENTS	2,505	39.1	7,342	34.9	1,181	1.7	70	0.6	8,593	8.5
DISABLED	207	3.2	2,065	9.8	12,022	17.7	5,137	41.1	19,224	19.0
LIMITED ENGLISH PROF	488	7.6	3,471	16.5	11,150	16.4	907	7.3	15,528	15.3

**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

LWIA NAME: CITY OF SAN BERNARDINO  
JURISDICTIONS INCLUDED: SAN BERNARDINO CITY

JANUARY 10, 2003

CHARACTERISTICS OF VARIOUS POTENTIAL CLIENT GROUPS

LABOR FORCE STATUS (1)

EMPLOYED	97,872
UNEMPLOYED	6,864
UNEMPLOYMENT RATE	6.6
NOT IN LABOR FORCE (2)	27,692

2002 VETERAN INFORMATION - SAN BERNARDINO COUNTY

TOTAL VETERANS (3)	115,532
MALE	108,423
FEMALE	7,109
VIETNAM ERA VETERANS - CENSUS 2000 (4)	43,962
DISABLED VETERANS (5)	12,060

OFFENDERS (6)	4,498
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% OF PEOPLE IN POVERTY: SAN BERNARDINO COUNTY, 1998 (7)	17.0
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1990 CENSUS (8)

FAMILIES IN POVERTY AS A % OF ALL FAMILIES	19.5
--------------------------------------------	------

CHARACTERISTICS OF ECONOMICALLY DISADVANTAGED PERSONS 14 TO 72 YEARS OLD (9)

	14 - 15 (10)		16 - 21		22 - 54		55 - 72		Total 16 - 72	
	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%	NUMBER	%
TOTAL ECONOMIC DISADVAN	1,688	100.0	4,189	100.0	16,447	100.0	2,045	100.0	22,681	100.0
BY RACE:										
WHITE NOT HISPANIC	380	22.5	1,159	27.7	4,503	27.4	833	40.8	6,495	28.6
BLACK NOT HISPANIC	557	33.0	862	20.6	3,831	23.3	381	18.6	5,074	22.4
AMERICAN INDIAN NOT HISP	33	1.9	0	0.0	119	0.7	0	0.0	119	0.5
ASIAN NOT HISPANIC	113	6.7	302	7.2	1,204	7.3	84	4.1	1,590	7.0
PACIFIC ISLAND NOT HISP	0	0.0	0	0.0	23	0.1	28	1.4	51	0.2
HISPANIC	606	35.9	1,866	44.5	6,767	41.1	718	35.1	9,351	41.2
BY SEX:										
MALE	653	38.7	2,011	48.0	6,649	40.4	603	29.5	9,263	40.8
FEMALE	1,035	61.3	2,178	52.0	9,798	59.6	1,442	70.5	13,418	59.2
HIGH SCHOOL EXPERIENCE:										
DROPOUTS	175	10.4	1,475	35.2	8,644	52.6	1,432	70.0	11,551	50.9
GRADUATES	0	0.0	185	4.4	2,988	18.2	308	15.1	3,481	15.3
STUDENTS	457	27.1	1,293	30.9	447	2.7	35	1.7	1,775	7.8
DISABLED	27	1.6	265	6.3	2,705	16.4	1,149	56.2	4,119	18.2
LIMITED ENGLISH PROF	88	5.2	586	14.0	3,279	19.9	146	7.1	4,011	17.7

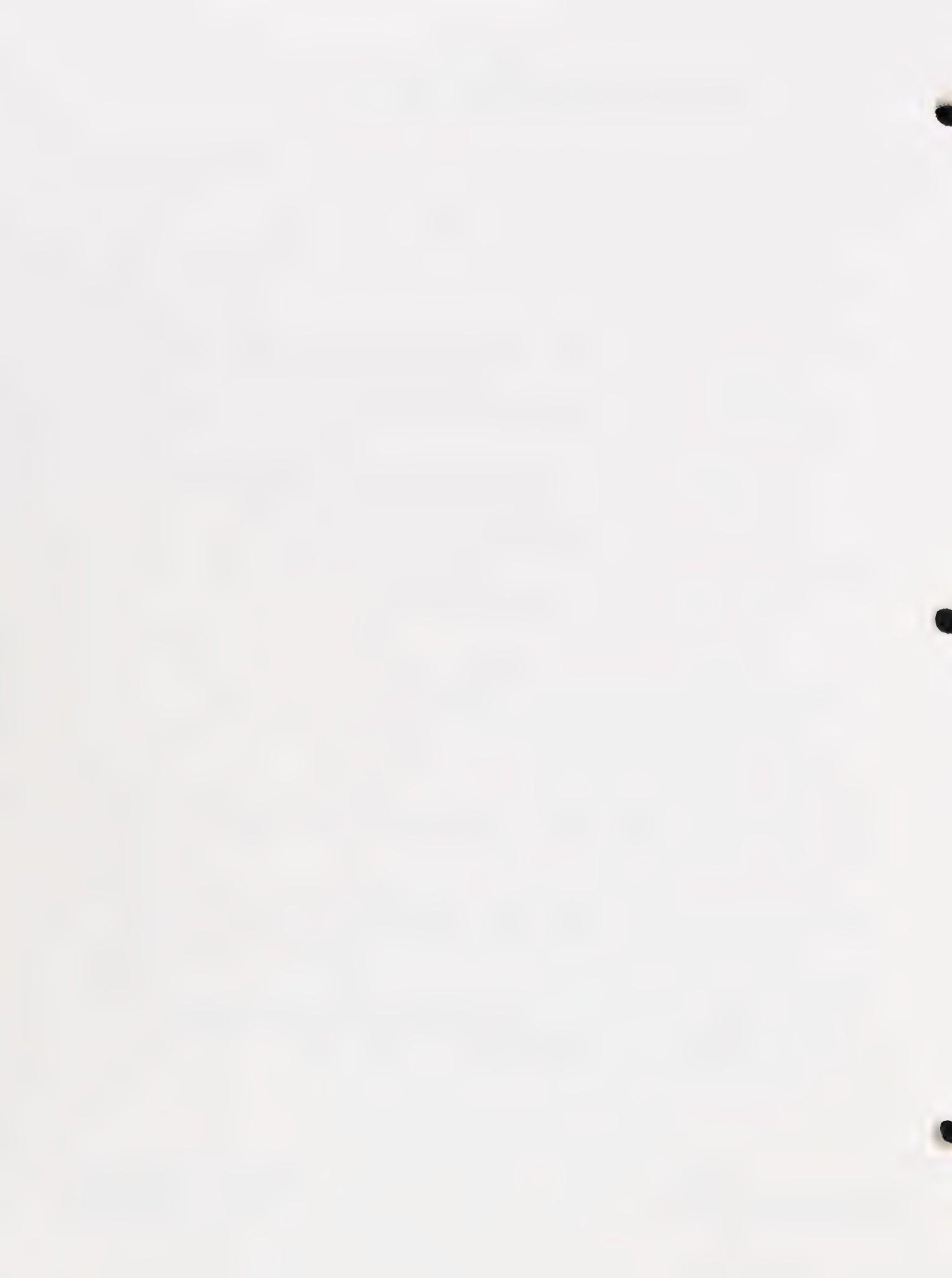
**TABLE 5**  
**WORKFORCE INVESTMENT ACT**  
**PLANNING INFORMATION FOR LOCAL WORKFORCE INVESTMENT AREAS**  
**SELECTED CHARACTERISTICS BY AGE**

Footnotes and data sources:

Source: Employment Development Department, Labor Market Information Division, Current Economic Statistics Group.

Note: Data provided are the most recent available.

- (1) Labor force in this category refers to civilian labor force (16 years and older). This category includes, but is not limited to, the economically disadvantaged. Labor Force data are based on preliminary data (monthly average) for the period 12/2001 through 11/2002. March 2001 Benchmark.
- (2) Not in labor force (16 years and older) are those who are not employed and not actively seeking employment. This category includes, but is not limited to, the economically disadvantaged. Not in labor force data are based on preliminary labor force data (12/01 - 11/02), Department of Finance populations estimates as of 1/02 and working age populations from 1990 census data.
- (3) Department of Veterans Affairs, Office of the Actuary, Estimated Veteran Totals, September 30, 2002, Washington, D.C.
- (4) U.S. Census Bureau, Census 2000, American FactFinder.
- (5) Department of Veterans Affairs, Statistics for Veterans Receiving Compensation and Pension Benefits, February 14, 2002, Washington, D.C.
- (6) 2001 Criminal Justice Profile, California Department of Justice.
- (7) U.S. Census Bureau. County Estimates for People of All Ages in Poverty by County: California 1998 (Estimates model 1998 income reported in the March 1999 Current Population Survey.)
- (8) Based on poverty data from the 1990 census. The 2000 census data will not be available until 2005. The economically disadvantaged population was provided by the Employment and Training Administration from a custom tabulation provided by the United States Bureau of Census.
- (9) Data for each characteristic in this section were derived by an independent estimating process using census summary data and census public use micro sample. Totals may not match other data from the same sources.
- (10) Data are not included in **Total 16 - 72** column.



**Table DP-1. Profile of General Demographic Characteristics: 2000**

Geographic Area: San Bernardino County, California

[For information on confidentiality protection, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total population.....	1,709,434	100.0	HISPANIC OR LATINO AND RACE		
SEX AND AGE			Total population.....	1,709,434	100.0
Male.....	853,024	49.9	Hispanic or Latino (of any race).....	669,387	39.2
Female.....	856,410	50.1	Mexican.....	532,186	31.1
Under 5 years.....	143,076	8.4	Puerto Rican.....	9,927	0.6
5 to 9 years.....	163,860	9.6	Cuban.....	4,201	0.2
10 to 14 years.....	158,202	9.3	Other Hispanic or Latino.....	123,073	7.2
15 to 19 years.....	141,130	8.3	Not Hispanic or Latino.....	1,040,047	60.8
20 to 24 years.....	121,579	7.1	White alone.....	752,222	44.0
25 to 34 years.....	243,028	14.2	RELATIONSHIP		
35 to 44 years.....	272,633	15.9	Total population.....	1,709,434	100.0
45 to 54 years.....	203,670	11.9	In households.....	1,664,402	97.4
55 to 59 years.....	65,315	3.8	Householder.....	528,594	30.9
60 to 64 years.....	50,482	3.0	Spouse.....	294,701	17.2
65 to 74 years.....	81,244	4.8	Child.....	605,153	35.4
75 to 84 years.....	49,965	2.9	Own child under 18 years.....	476,180	27.9
85 years and over.....	15,250	0.9	Other relatives.....	144,783	8.5
Median age (years).....	30.3	(X)	Under 18 years.....	60,114	3.5
18 years and over.....	1,157,387	67.7	Nonrelatives.....	91,171	5.3
Male.....	570,492	33.4	Unmarried partner.....	33,025	1.9
Female.....	586,895	34.3	In group quarters.....	45,032	2.6
21 years and over.....	1,076,977	63.0	Institutionalized population.....	26,852	1.6
62 years and over.....	175,783	10.3	Noninstitutionalized population.....	18,180	1.1
65 years and over.....	146,459	8.6	HOUSEHOLD BY TYPE		
Male.....	61,954	3.6	Total households.....	528,594	100.0
Female.....	84,505	4.9	Family households (families).....	404,327	76.5
RACE			With own children under 18 years.....	230,916	43.7
One race.....	1,623,393	95.0	Married-couple family.....	294,701	55.8
White.....	1,006,960	58.9	With own children under 18 years.....	163,656	31.0
Black or African American.....	155,348	9.1	Female householder, no husband present.....	78,189	14.8
American Indian and Alaska Native.....	19,915	1.2	With own children under 18 years.....	49,345	9.3
Asian.....	80,217	4.7	Nonfamily households.....	124,267	23.5
Asian Indian.....	7,368	0.4	Householder living alone.....	97,482	18.4
Chinese.....	12,580	0.7	Householder 65 years and over.....	34,822	6.6
Filipino.....	25,919	1.5	Households with individuals under 18 years.....	258,158	48.8
Japanese.....	4,425	0.3	Households with individuals 65 years and over.....	106,110	20.1
Korean.....	7,407	0.4	Average household size.....	3.15	(X)
Vietnamese.....	10,003	0.6	Average family size.....	3.58	(X)
Other Asian <sup>1</sup> .....	12,515	0.7	HOUSING OCCUPANCY		
Native Hawaiian and Other Pacific Islander.....	5,110	0.3	Total housing units.....	601,369	100.0
Native Hawaiian.....	835	-	Occupied housing units.....	528,594	87.9
Guamanian or Chamorro.....	874	0.1	Vacant housing units.....	72,775	12.1
Samoan.....	1,753	0.1	For seasonal, recreational, or occasional use.....	31,632	5.3
Other Pacific Islander <sup>2</sup> .....	1,648	0.1	Homeowner vacancy rate (percent).....	3.1	(X)
Some other race.....	355,843	20.8	Rental vacancy rate (percent).....	7.3	(X)
Two or more races.....	86,041	5.0	HOUSING TENURE		
Race alone or in combination with one or more other races: <sup>3</sup>	1,077,973	63.1	Occupied housing units.....	528,594	100.0
White.....		10.0	Owner-occupied housing units.....	340,933	64.5
Black or African American.....	171,461	2.2	Renter-occupied housing units.....	187,661	35.5
American Indian and Alaska Native.....	37,491	5.7	Average household size of owner-occupied units.....	3.18	(X)
Asian.....	97,340	0.5	Average household size of renter-occupied units.....	3.08	(X)
Native Hawaiian and Other Pacific Islander.....	9,362	23.8			
Some other race.....	407,044				

- Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup> Other Asian alone, or two or more Asian categories.<sup>2</sup> Other Pacific Islander alone, or two or more Native Hawaiian and Other Pacific Islander categories.<sup>3</sup> In combination with one or more of the other races listed. The six numbers may add to more than the total population and the six percentages may add to more than 100 percent because individuals may report more than one race.

Source: U.S. Census Bureau, Census 2000.

**Table DP-2. Profile of Selected Social Characteristics: 2000**

Geographic area: San Bernardino County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>SCHOOL ENROLLMENT</b>			<b>NATIVITY AND PLACE OF BIRTH</b>		
Population 3 years and over enrolled in school.....	555,363	100.0	Total population.....	1,709,434	100.0
Nursery school, preschool.....	26,350	4.7	Native.....	1,390,787	81.4
Kindergarten.....	32,949	5.9	Born in United States.....	1,372,678	80.3
Elementary school (grades 1-8).....	264,664	47.7	State of residence.....	988,964	57.9
High school (grades 9-12).....	123,138	22.2	Different state.....	383,714	22.4
College or graduate school.....	108,262	19.5	Born outside United States.....	18,109	1.1
			Foreign born.....	318,647	18.6
			Entered 1990 to March 2000.....	98,267	5.7
			Naturalized citizen.....	120,983	7.1
			Not a citizen.....	197,664	11.6
<b>EDUCATIONAL ATTAINMENT</b>			<b>REGION OF BIRTH OF FOREIGN BORN</b>		
Population 25 years and over.....	983,273	100.0	Total (excluding born at sea).....	318,647	100.0
Less than 9th grade.....	102,229	10.4	Europe.....	17,536	5.5
9th to 12th grade, no diploma.....	151,365	15.4	Asia.....	61,071	19.2
High school graduate (includes equivalency).....	246,155	25.0	Africa.....	4,475	1.4
Some college, no degree.....	252,654	25.7	Oceania.....	2,022	0.6
Associate degree.....	74,289	7.6	Latin America.....	228,510	71.7
Bachelor's degree.....	102,339	10.4	Northern America.....	5,033	1.6
Graduate or professional degree.....	54,242	5.5			
Percent high school graduate or higher.....	74.2	(X)			
Percent bachelor's degree or higher.....	15.9	(X)			
<b>MARITAL STATUS</b>			<b>LANGUAGE SPOKEN AT HOME</b>		
Population 15 years and over.....	1,243,149	100.0	Population 5 years and over.....	1,568,725	100.0
Never married.....	344,172	27.7	English only.....	1,035,292	66.0
Now married, except separated.....	679,274	54.6	Language other than English.....	533,433	34.0
Separated.....	34,050	2.7	Speak English less than "very well".....	240,549	15.3
Widowed.....	64,900	5.2	Spanish.....	434,445	27.7
Female.....	51,159	4.1	Speak English less than "very well".....	201,771	12.9
Divorced.....	120,753	9.7	Other Indo-European languages.....	31,267	2.0
Female.....	70,614	5.7	Speak English less than "very well".....	8,670	0.6
			Asian and Pacific Island languages.....	57,641	3.7
			Speak English less than "very well".....	26,867	1.7
<b>GRANDPARENTS AS CAREGIVERS</b>			<b>ANCESTRY (single or multiple)</b>		
Grandparent living in household with one or more own grandchildren under 18 years.....	54,327	100.0	Total population.....	1,709,434	100.0
Grandparent responsible for grandchildren.....	19,737	36.3	Total ancestries reported.....	1,782,561	104.3
<b>VETERAN STATUS</b>			Arab.....	8,894	0.5
Civilian population 18 years and over .....	1,143,930	100.0	Czech <sup>1</sup> .....	5,179	0.3
Civilian veterans.....	140,439	12.3	Danish.....	8,333	0.5
<b>DISABILITY STATUS OF THE CIVILIAN NONINSTITUTIONALIZED POPULATION</b>			Dutch.....	27,592	1.6
Population 5 to 20 years.....	484,503	100.0	English.....	120,259	7.0
With a disability.....	37,150	7.7	French (except Basque) <sup>1</sup> .....	42,763	2.5
Population 21 to 64 years.....	901,171	100.0	French Canadian <sup>1</sup> .....	7,941	0.5
With a disability.....	200,310	22.2	German.....	177,505	10.4
Percent employed.....	52.2	(X)	Greek.....	4,246	0.2
No disability.....	700,861	77.8	Hungarian.....	6,019	0.4
Percent employed.....	70.2	(X)	Irish <sup>1</sup> .....	127,536	7.5
Population 65 years and over.....	141,475	100.0	Italian.....	62,432	3.7
With a disability.....	65,233	46.1	Lithuanian.....	1,554	0.1
<b>RESIDENCE IN 1995</b>			Norwegian.....	19,363	1.1
Population 5 years and over .....	1,568,725	100.0	Polish.....	21,396	1.3
Same house in 1995.....	756,283	48.2	Portuguese.....	6,378	0.4
Different house in the U.S. in 1995.....	769,914	49.1	Russian.....	7,953	0.5
Same county.....	468,659	29.9	Scotch-Irish.....	21,528	1.3
Different county.....	301,255	19.2	Scottish.....	22,883	1.3
Same state.....	229,707	14.6	Slovak.....	1,028	0.1
Different state.....	71,548	4.6	Subsaharan African.....	10,720	0.6
Elsewhere in 1995.....	42,528	2.7	Swedish.....	21,514	1.3
			Swiss.....	3,698	0.2
			Ukrainian.....	1,850	0.1
			United States or American.....	68,605	4.0
			Welsh.....	8,699	0.5
			West Indian (excluding Hispanic groups).....	3,990	0.2
			Other ancestries.....	962,703	56.3

-Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup>The data represent a combination of two ancestries shown separately in Summary File 3. Czech includes Czechoslovakian. French includes Alsatian. French Canadian includes Acadian/Cajun. Irish includes Celtic.

Source: U.S. Bureau of the Census, Census 2000.

**Table DP-3. Profile of Selected Economic Characteristics: 2000**

Geographic area: San Bernardino County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
<b>EMPLOYMENT STATUS</b>			<b>INCOME IN 1999</b>		
Population 16 years and over .....	1,214,368	100.0	Households.....	528,839	100.0
In labor force .....	735,589	60.6	Less than \$10,000.....	47,943	9.1
Civilian labor force.....	721,185	59.4	\$10,000 to \$14,999.....	34,849	6.6
Employed .....	661,272	54.5	\$15,000 to \$24,999.....	68,754	13.0
Unemployed .....	59,913	4.9	\$25,000 to \$34,999.....	66,513	12.6
Percent of civilian labor force .....	8.3	(X)	\$35,000 to \$49,999.....	88,239	16.7
Armed Forces.....	14,404	1.2	\$50,000 to \$74,999.....	107,689	20.4
Not in labor force .....	478,779	39.4	\$75,000 to \$99,999.....	56,907	10.8
Females 16 years and over .....	617,638	100.0	\$100,000 to \$149,999.....	41,333	7.8
In labor force .....	327,553	53.0	\$150,000 to \$199,999.....	9,619	1.8
Civilian labor force.....	326,486	52.9	\$200,000 or more .....	6,993	1.3
Employed .....	296,698	48.0	Median household income (dollars).....	42,066	(X)
Own children under 6 years.....	160,114	100.0	With earnings.....	435,629	82.4
All parents in family in labor force .....	80,309	50.2	Mean earnings (dollars) <sup>1</sup> .....	53,422	(X)
<b>COMMUTING TO WORK</b>			With Social Security income .....	116,733	22.1
Workers 16 years and over .....	658,708	100.0	Mean Social Security income (dollars) <sup>1</sup> .....	10,928	(X)
Car, truck, or van -- drove alone.....	484,631	73.6	With Supplemental Security Income .....	30,554	5.8
Car, truck, or van -- carpooled.....	115,538	17.5	Mean Supplemental Security Income (dollars) <sup>1</sup> .....	6,796	(X)
Public transportation (including taxicab).....	12,627	1.9	With public assistance income .....	34,211	6.5
Walked.....	15,867	2.4	Mean public assistance income (dollars) <sup>1</sup> .....	4,937	(X)
Other means.....	9,369	1.4	With retirement income .....	83,926	15.9
Worked at home .....	20,676	3.1	Mean retirement income (dollars) <sup>1</sup> .....	16,600	(X)
Mean travel time to work (minutes) <sup>1</sup> .....	31.0	(X)	<b>Families</b> .....	407,205	100.0
Employed civilian population 16 years and over .....	661,272	100.0	Less than \$10,000.....	27,892	6.8
<b>OCCUPATION</b>			\$10,000 to \$14,999.....	21,307	5.2
Management, professional, and related occupations .....	186,096	28.1	\$15,000 to \$24,999.....	49,005	12.0
Service occupations .....	104,728	15.8	\$25,000 to \$34,999.....	49,962	12.3
Sales and office occupations .....	180,447	27.3	\$35,000 to \$49,999.....	69,324	17.0
Farming, fishing, and forestry occupations.....	3,040	0.5	\$50,000 to \$74,999.....	89,288	21.9
Construction, extraction, and maintenance occupations .....	74,519	11.3	\$75,000 to \$99,999.....	49,387	12.1
Production, transportation, and material moving occupations .....	112,442	17.0	\$100,000 to \$149,999.....	36,636	9.0
Per capita income (dollars) <sup>1</sup> .....			\$150,000 to \$199,999.....	8,427	2.1
<b>INDUSTRY</b>			\$200,000 or more .....	5,977	1.5
Agriculture, forestry, fishing and hunting, and mining .....	5,934	0.9	Median family income (dollars).....	46,574	(X)
Construction .....	49,517	7.5	Per capita income (dollars) <sup>1</sup> .....	16,856	(X)
Manufacturing .....	84,166	12.7	<b>Median earnings (dollars):</b>		
Wholesale trade .....	27,174	4.1	Male full-time, year-round workers.....	37,025	(X)
Retail trade .....	84,460	12.8	Female full-time, year-round workers .....	27,993	(X)
Transportation and warehousing, and utilities .....	46,776	7.1			
Information .....	14,961	2.3			
Finance, insurance, real estate, and rental and leasing .....	36,860	5.6	<b>POVERTY STATUS IN 1999</b>		
Professional, scientific, management, adminis- trative, and waste management services .....	50,726	7.7	<b>Families</b> .....	51,186	12.6
Educational, health and social services .....	140,063	21.2	With related children under 18 years.....	43,223	16.8
Arts, entertainment, recreation, accommoda- tion and food services .....	49,494	7.5	With related children under 5 years.....	23,729	21.7
Other services (except public administration) .....	34,428	5.2	<b>Families with female householder, no husband present</b> .....	22,909	30.4
Public administration .....	36,713	5.6	With related children under 18 years.....	20,770	36.9
<b>CLASS OF WORKER</b>			With related children under 5 years.....	10,730	50.4
Private wage and salary workers .....	493,910	74.7	<b>Individuals</b> .....	263,412	15.8
Government workers .....	118,500	17.9	18 years and over .....	149,717	13.3
Self-employed workers in own not incorporated business .....	46,468	7.0	65 years and over .....	11,822	8.4
Unpaid family workers .....	2,394	0.4	Related children under 18 years .....	110,297	20.6
			Related children 5 to 17 years .....	77,852	19.6
			Unrelated individuals 15 years and over .....	56,736	27.7

-Represents zero or rounds to zero. (X) Not applicable.

<sup>1</sup>If the denominator of a mean value or per capita value is less than 30, then that value is calculated using a rounded aggregate in the numerator.  
See text.

Source: U.S. Bureau of the Census, Census 2000.

**Table DP-4. Profile of Selected Housing Characteristics: 2000**

Geographic area: San Bernardino County, California

[Data based on a sample. For information on confidentiality protection, sampling error, nonsampling error, and definitions, see text]

Subject	Number	Percent	Subject	Number	Percent
Total housing units.....	601,369	100.0	OCCUPANTS PER ROOM		
UNITS IN STRUCTURE			Occupied housing units .....	528,594	100.0
1-unit, detached.....	416,121	69.2	1.00 or less.....	451,121	85.3
1-unit, attached.....	26,833	4.5	1.01 to 1.50.....	37,301	7.1
2 units .....	9,842	1.6	1.51 or more.....	40,172	7.6
3 or 4 units .....	29,046	4.8	Specified owner-occupied units.....	296,705	100.0
5 to 9 units .....	21,681	3.6	VALUE		
10 to 19 units .....	14,905	2.5	Less than \$50,000.....	8,100	2.7
20 or more units .....	41,107	6.8	\$50,000 to \$99,999.....	78,537	26.5
Mobile home .....	40,375	6.7	\$100,000 to \$149,999.....	99,186	33.4
Boat, RV, van, etc.....	1,459	0.2	\$150,000 to \$199,999.....	57,126	19.3
			\$200,000 to \$299,999.....	37,618	12.7
YEAR STRUCTURE BUILT			\$300,000 to \$499,999.....	13,517	4.6
1999 to March 2000 .....	9,243	1.5	\$500,000 to \$999,999.....	2,146	0.7
1995 to 1998 .....	29,929	5.0	\$1,000,000 or more.....	475	0.2
1990 to 1994 .....	64,927	10.8	Median (dollars).....	131,500	(X)
1980 to 1989 .....	165,036	27.4	MORTGAGE STATUS AND SELECTED		
1970 to 1979 .....	120,138	20.0	MONTHLY OWNER COSTS		
1960 to 1969 .....	82,983	13.8	With a mortgage .....	245,563	82.8
1940 to 1959 .....	105,412	17.5	Less than \$300 .....	1,201	0.4
1939 or earlier .....	23,701	3.9	\$300 to \$499 .....	7,618	2.6
ROOMS			\$500 to \$699 .....	17,778	6.0
1 room .....	13,390	2.2	\$700 to \$999 .....	54,871	18.5
2 rooms .....	39,476	6.6	\$1,000 to \$1,499 .....	93,568	31.5
3 rooms .....	73,996	12.3	\$1,500 to \$1,999 .....	45,333	15.3
4 rooms .....	98,742	16.4	\$2,000 or more .....	25,194	8.5
5 rooms .....	120,458	20.0	Median (dollars).....	1,202	(X)
6 rooms .....	115,017	19.1	Not mortgaged .....	51,142	17.2
7 rooms .....	75,720	12.6	Median (dollars).....	273	(X)
8 rooms .....	39,241	6.5			
9 or more rooms .....	25,329	4.2			
Median (rooms) .....	5.1	(X)			
Occupied housing units .....	528,594	100.0	SELECTED MONTHLY OWNER COSTS		
YEAR HOUSEHOLDER MOVED INTO UNIT			AS A PERCENTAGE OF HOUSEHOLD		
1999 to March 2000 .....	121,216	22.9	INCOME IN 1999		
1995 to 1998 .....	167,585	31.7	Less than 15.0 percent.....	73,009	24.6
1990 to 1994 .....	88,917	16.8	15.0 to 19.9 percent .....	47,809	16.1
1980 to 1989 .....	87,096	16.5	20.0 to 24.9 percent .....	45,624	15.4
1970 to 1979 .....	38,536	7.3	25.0 to 29.9 percent .....	35,301	11.9
1969 or earlier .....	25,244	4.8	30.0 to 34.9 percent .....	25,343	8.5
			35.0 percent or more .....	66,859	22.5
			Not computed.....	2,760	0.9
VEHICLES AVAILABLE			Specified renter-occupied units .....	186,461	100.0
None .....	42,120	8.0	GROSS RENT		
1 .....	171,126	32.4	Less than \$200 .....	3,600	1.9
2 .....	204,829	38.7	\$200 to \$299 .....	5,020	2.7
3 or more .....	110,519	20.9	\$300 to \$499 .....	33,254	17.8
			\$500 to \$749 .....	74,675	40.0
			\$750 to \$999 .....	40,803	21.9
HOUSE HEATING FUEL					
Utility gas .....	421,714	79.8	\$1,000 to \$1,499 .....	17,271	9.3
Bottled, tank, or LP gas .....	21,221	4.0	\$1,500 or more .....	2,159	1.2
Electricity .....	72,056	13.6	No cash rent .....	9,679	5.2
Fuel oil, kerosene, etc .....	296	0.1	Median (dollars).....	648	(X)
Coal or coke .....	8	-			
Wood .....	8,199	1.6			
Solar energy .....	485	0.1	GROSS RENT AS A PERCENTAGE OF		
Other fuel .....	798	0.2	HOUSEHOLD INCOME IN 1999		
No fuel used .....	3,817	0.7	Less than 15.0 percent .....	25,774	13.8
			15.0 to 19.9 percent .....	23,802	12.8
			20.0 to 24.9 percent .....	22,989	12.3
			25.0 to 29.9 percent .....	19,768	10.6
SELECTED CHARACTERISTICS					
Lacking complete plumbing facilities .....	3,371	0.6	30.0 to 34.9 percent .....	14,782	7.9
Lacking complete kitchen facilities .....	3,678	0.7	35.0 percent or more .....	65,408	35.1
No telephone service .....	11,397	2.2	Not computed.....	13,938	7.5

-Represents zero or rounds to zero. (X) Not applicable.

Source: U.S. Bureau of the Census, Census 2000.

# Explanation Of Terms And Concepts

**American Indian and Alaska Native:** A person having origins in any of the original peoples of North and South America (including Central America), and who maintain tribal affiliation or community attachment.

**Asian:** A person having origins in any of the original peoples of the Far East, Southeast Asia, or the Indian subcontinent.

**Black or African American:** A person having origins in any of the Black racial groups of Africa.

**CalWORKs:** California Work Opportunity and Responsibility to Kids is a state designed public assistance program. Focus is on work and training; those who seek welfare must also seek work. Time and aid limits apply.

**Food Stamp Recipient:** A person receiving food stamp coupons that can be exchanged for groceries.

**General Relief:** A county administered assistance program which includes interim payments to the disabled, and payments to individuals who are ineligible for other assistance programs, such as CalWORKs and Refugee Cash Assistance.

**Hispanic:** Census 2000 adheres to the federal standards for collecting and presenting data on race and Hispanic origin as established by the Office of Management and Budget (OMB) in October 1997. The OMB defines Hispanic or Latino as "a person of Cuban, Mexican, Puerto Rican, South or Central American, or other Spanish culture or origin regardless of race."

**Native Hawaiian and Other Pacific Islander:** A person having origins in any of the original peoples of Hawaii, Guam, Samoa, or other Pacific Islands.

**Public Assistance Recipient:** A person receiving cash welfare payments and/or nonmonetary benefits under federal, state, or local welfare programs.

**Refugee Cash Assistance:** A cash assistance and employment services program designed for adults without children who have official status as refugee, and who have been in the United States for less than eight months. Aid is limited to eight months.

**Some Other Race:** Includes all other census responses not included in the "White," "Black or African American," "American Indian and Alaska Native," "Asian," and the "Native Hawaiian and Other Pacific Islander" race categories. Respondents providing write-in entries such as multiracial, mixed, interracial, or a Hispanic/Latino group (for example, Mexican, Puerto Rican, or Cuban) are included in this category.

**Two or More Races:** Refers to a classification of census respondents who chose to provide two or more races.

**Veteran:** A person who has served but is not now serving in the armed forces of the United States.

**Vietnam-Era Veteran:** A person who served between August 5, 1964, and May 7, 1975, but is not now serving in the armed forces of the United States.

**Welfare-To-Work Program:** The Welfare-To-Work Program helps family members acquire the skills needed to get a job. The county will determine if a family must participate in Welfare-To-Work activities as a requirement for CalWORKs. Families may also volunteer to participate.

**White:** A person having origins in any of the original peoples of Europe, the Middle East, or North Africa.

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